THE SOCIETY FOR UNDERWATER TECHNOLOGY LIMITED

England & Wales · Charity number 256659

Details

Other names	SOCIETY FOR UNDERWATER TECHNOLOGY - S U T
Status	Registered
Legal form	Charitable company
Company number	00932590
Registered	1968-08-28
Register	View on the Charity Commission register

Contact

Address	c/o Nunn Hayward 2-4 Packhorse Road Gerrards Cross Buckinghamshire SL9 7QE
Phone	07947911992
Email	info@sut.org
Website	www.sut.org

Activities

Objects: TO ADVANCE THE STUDY OF AND RESEARCH INTO UNDERWATER SCIENCE AND TECHNOLOGY AND TO SECURE THE WIDEST POSSIBLE DISSEMINATION TO THE PUBLIC OF KNOWLEDGE GAINED IN SUCH RESEARCH AND STUDY WITH A VIEW TO FURTHING THE PROPER ECONOMIC AND SOCIOLOGICAL USE OF THE OCEANS AND THE EARTH BENEATH THE OCEANS FOR THE BENEFIT OF MAN AND HUMAN LIFE AND HEALTH.

Activities: Interchange and dissemination of knowledge and learning in underwater technology. Increasing public awareness and support of education and training in the marine and underwater sectors.

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Classification

- **How:** Makes Grants To Individuals, Makes Grants To Organisations, Provides Services, Provides Advocacy/advice/information, Acts As An Umbrella Or Resource Body
- **What:** Education/training, Arts/culture/heritage/science, Environment/conservation/heritage, Economic/community Development/employment
- **Who:** Children/young People, Other Charities Or Voluntary Bodies, Other Defined Groups, The General Public/mankind

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Geography

- **Area of benefit:** UNITED KINGDOM AND ABROAD
- Angola
- Australia
- Austria
- Azerbaijan
- Belgium
- Brazil
- Burma
- Canada
- China
- Cyprus
- Denmark
- Egypt
- France
- Germany
- Hong Kong
- India
- Indonesia
- Ireland
- Italy
- Japan
- Libya
- Malaysia
- Malta
- Mexico
- Netherlands
- Nigeria
- Norway
- Qatar
- Russia
- Saudi Arabia
- Scotland
- Singapore
- South Africa

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- South Korea
- Switzerland
- Thailand
- Trinidad And Tobago
- Turkey
- United Arab Emirates
- United States
- Venezuela
- Throughout England And Wales

Finances

Period end	Income	Expenditure	Assets	Employees
2025-06-30	£355,921	£345,248	-	-
2024-06-30	£1,079,267	£736,517	£689,428	4
2023-06-30	£318,209	£285,610	-	-
2022-06-30	£274,094	£269,618	-	-
2021-06-30	£318,703	£315,140	-	-

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Trustees

Name	Role	Appointed
Michael James Fearn	Chair	2024-12-05
Benjamin John Sykes		2023-12-07
David Alan Brookes		2024-10-24
Dr Cristina Garcia-Duffy		2025-12-04
Dr Peter Allan		2025-12-04
Gehrig Stannard Schultz		2024-10-24
Graham John Whitehead		2023-12-07
Iain Ross Wylie		2024-12-05
Judith Patten MBE		2020-12-14
Professor RALPH FRANK RAYNER		2016-12-13
RICHARD LUFF		2025-12-04
Vahid Walker		2025-12-04

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THE SOCIETY FOR UNDERWATER TECHNOLOGY LIMITED

England & Wales - Charity number 256659

Accounts



SUT
Society for Underwater Technology

Annual Report
2024-2025

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www.sut.org

President's Foreword



President:
Benj Sykes

As President of the SUT it is my privilege to look back over the SUT's year 2024-2025 and take the opportunity to look ahead at what lies in store for the Society.

In my second year as SUT's President it has been a pleasure and a continued learning experience to be involved in SUT's Council, Executive, Branches, Special Interest Groups, and in particular, contributing to the Society's Strategy Group looking at how we can strengthen and grow the SUT in the future.

In addition the SUT's hardworking staff in the UK, Perth and Houston who are busy behind the scenes keeping the SUT running – a challenge for a global organisation – it's our volunteer members who underpin our Society, contributing their time, energy and expertise to the SUT's successful programme of activities, events and training, as well as crafting guidance notes and contributing to policies and white papers. My sincere thanks to you all.

SUT's training courses, delivered in the UK, Perth and Houston, continue to thrive. Our UK OSIG course was fully booked as soon as booking went live; the Offshore Wind course had a long waiting list; and the Subsea Awareness Course continues to attract international delegates. The site visits of the SAC and Offshore Wind are unique and provided significant added value to delegates. Our Metocean Course will return in 2026.

Education and Training, core to SUT's charitable objectives, continue to be a central pillar of the Society. Our Educational Support Fund receives more applications each year, making for difficult choices for who our selected awardees will be, based on the students' statements on their aspirations and career ambitions in marine science, underwater technology and subsea engineering. We've been delighted to showcase our ESF students through speaking opportunities such as at Ocean Business this year. The ESF plays a vital role for the next generation of subsea professionals, and I'd welcome your support; for those who wish to donate to the SUT's Educational Support Fund.

Most SUT members are in contact with the Society's Branches and many participate in the Special Interest Groups. It is certainly true that whatever your interest in the underwater world, corporate or individual, you will find a community with whom you can share your views, contribute to discussions on hot topics, and tackle the changes our industries face through innovations and creative approaches. I'm of course delighted that Offshore Wind is increasingly discussed in multiple SIGs, looking at this emerging sector from a range of perspectives and challenges.

I am pleased to announce that two of SUT's Special Interest Groups are close to finalising new Guidance Notes to add to our insightful and popularly downloaded OSIG Guidance Notes.

For those who recall my President's Report in the 2023-2024 Annual Report, I'm also pleased to report that our OSIG SIG is already deep in planning for the OSIG 2027 conference. Call for abstracts will go out in the new year.

As I have attended conferences and exhibitions such as Global Offshore Wind in my day job as UK Country Manager at Ørsted, I've greatly enjoyed meeting SUT members from my sector (and many others who are not – yet – SUT members) as we discussed policies, best practices, new technology and of course, the energy transition.

As the SUT looks forward to celebrating its sixtieth-year anniversary in 2026, it's an

President's Foreword

contd.

opportunity to reflect on how the SUT has grown, and on the technical achievements and innovations developed by our members, as well as looking ahead to the decades to come. As ever, the future holds challenges and opportunities, and I'm excited that the SUT is so well positioned to play a vital role in finding answers to some of the big questions: how do we meet the world's ever-growing demand for energy, food and other resources and at the same time address the threats to the marine environment from the twin challenges of climate change and biodiversity loss? And as I reflect on nearly four decades working in the marine sector, I'm also acutely aware of the SUT's vital role in building the 'subsea workforce of the future' – capable, engaged and innovative.

I encourage you to make the most of your membership. Participate, get involved, make suggestions and contribute to your SUT. Here's to the next 60 years!

Officers and Council 2024-2025

President
Benj Sykes

Chair
Mike Fearn

Immediate Past President
Moya Crawford

Honorary Secretary
Iain Knight

Honorary Treasurer
Mick Cook

Secretary to Council/CEO
Cheryl Burgess

Members

M Theobald (until May 2024)
N Swift (until May 2024)
D M Saul
R E Luff (until Dec 2023)
I Knight (until Dec 2023)
A Connelly (until Dec 2023)
N Carey (until Dec 2023)
M A Atmanand (until Dec 2023)
G J Whitehead (from Dec 2023)
M Stemp (from Dec 2023)
T H A Sloane
R F Rayner
J A I Patten
J Morgan
S Elkhatib
S V Duffield (from Dec 2023)
A Elkadi (from Dec 2023)

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Membership & Finance Officer
Jane Hinton
Events & Training Officer
Clare Parisi
Publications & Communications Officer
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Publications & Web Officer
Michelle Jones
Communications & Marketing Officer
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Fiona Allan
Events & Marketing Manager
Jade Melville & Sylvia Ibrahim
Marketing & Events Assistant
Ellaria Ibraheem

SUT Fellows 2024

The SUT's new Fellows elected in 2024 were Karen Seath, Decommissioning and Salvage SIG (UK); Paul Upjohn, Perth Branch (Australia); and three Members from the SUT-US Houston, Texas Branch: Colin Johnston, Luz Zarate, and Patricia Varela.

Karen Seath

Managing Director, Karen Seath Solutions

Karen Seath has her own highly respected decommissioning company, Karen Seath Solutions, and has served as Chair of the SUT's Salvage and Decommissioning Special Interest Group (SIG) for over eight years.

"Karen has been an integral part of the SUT Salvage and Decommissioning SIG for the past decade, including arranging the annual cross-disciplinary workshop, which brings together members of the marine science community, including academics, regulators, and industry. Her tireless hard work, energy, and focus have ensured that the annual event, and regular committee meetings, are well attended, providing individuals with excellent networking opportunities whilst simultaneously promoting the SUT."



Paul Upjohn

Regional Sales Manager APAC.

"Paul has been a consistently dedicated committee member, contributing to numerous sub-committees within SUT Perth over his years of tenure. Of most significant impact is his dedication to the bi-annual Subsea Controls Down Under Conference, which he has led for many years, including organising sponsorship, leading the committee, and ensuring keynote speakers are arranged. Additionally, he has been a strong contributor to the Evening Technical Meetings sub-committee for many years, bringing enthusiasm and energy to the quarterly events."

"Paul has been regularly engaged with other SUT branches in the region, most notably providing ongoing support and visits to the Kuala Lumpur Branch during its set-up last year. He has consistently been a significant contributor within the SUT Committee, as evident from his years of continued service and ongoing involvement in sub-committees."



Colin Johnston

Subsea Operations Engineering Manager at Seanation LLC.

"Colin was one of the founding members of SUT Houston back in 1999 and has remained active with SUT-US ever since. He represents SUT-US on the central SUT Learning Committee and sits on the SUT-US Branch Executive Committee. He has previously been a member of the SUT Council."

"He is a key member of the Subsea Engineering and Operation – Atlantic Committee, organising their training. Most recently, he has taken over the role of ensuring that the SUT Houston Subsea Awareness Course is current, up to date, and supported by a quality set of instructors and locations. Colin continues to work as a leader in the arena of subsea intervention and is a well-respected member of the industry."

SUT Fellows 2024

contd.

"He brings to SUT his deep technical understanding and expertise gained from his long career and membership of the API SC 17 Subsea Production Committee, being a Board Member of the Deepwater Intervention Forum, and his role as Chair of the SPE Subsea Well Intervention Symposium."



Luz Zarate

Marine Technology Research Engineer for Shell.

"Luz has supported the development and growth of the SUT in the US at every level since she was Vice President and Treasurer of the Texas A&M Student Chapter. Since graduation, she has been an active member of the SUT-US Young Professionals Committee, the Environmental Forces Group – including assisting in organising Metocean courses – and an active member of the Schools Outreach/ STEM programme with SUT-US."

"Most recently, she was founder and continues to be the driving force behind the Women in Industry Committee and the organisation of their events. Luz is a key part of SUT-US as a member of the Executive Committee, supporting the development of other initiatives such as Women in Industry, the Metocean Awareness Course(s), Environmental Forces, and Schools Outreach."

"Luz was recognised by the OTC Emerging Leaders Awards programme in 2024, with her contributions to SUT being key to this recognition. Equally important is Luz's enthusiasm and commitment to the goals of SUT, constantly volunteering to lead SUT activities and driving them to completion in a pragmatic, energetic, and goal-oriented manner. Luz is fully deserving of recognition as an SUT Fellow."



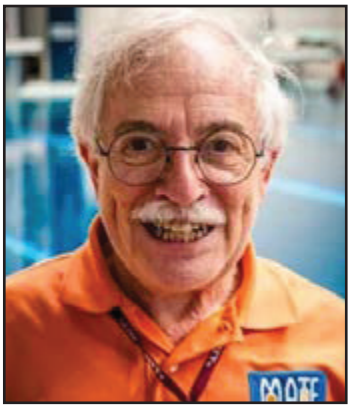
Patricia Varela

Project Geologist at Geosyntec Consultants.

"Patricia has championed the development and growth of the SUT in the US at every level since she was the founding President of the Texas A&M Student Chapter, developing it into the largest chapter in the US and maintaining support of it since graduation. She founded the SUT-US Young Professionals Committee and most recently became a member of OSIG-US."

"She has also supported the development of the Women in Industry Committee. Patricia has become a key part of SUT-US as a member of the Executive Committee, supporting the development of other initiatives such as Student Chapters, Young Professionals, and Women in Industry. She is fully deserving of recognition as a Fellow."

Awards 2024-2025



The Captain Don Walsh Award 2024 – Martin 'Marty' Klein

The Marine Technology Society (MTS) and the Society for Underwater Technology (SUT) announce the selection of Martin "Marty" Klein as the distinguished recipient of the 2024 Captain Don Walsh Award for Ocean Exploration. This prestigious award recognizes an individual who has made outstanding, sustained, and international contributions to the development, application, or propagation of marine and underwater technology toward the advancement of ocean exploration.

Martin Klein, a name synonymous with ocean exploration, is a true pioneer in the field of underwater technology. Known as the "father of side-scan sonar," Marty's innovations have revolutionized oceanographic surveys and underwater searches. His groundbreaking work has made significant strides in marine technology, providing critical tools for the discovery and exploration of our oceans while also inspiring generations of ocean engineers.
Justin Manley, President of MTS, shared: "Marty Klein exemplifies the spirit of this prestigious award. His significant and continued innovation in our field, along with his unwavering dedication to mentoring young people, have left an indelible mark on the marine technology community. MTS is proud to recognize Marty's legacy of growing the next generation of ocean explorers."

Marty has been involved in Ocean Exploration since 1961, when MIT Professor Harold "Doc" Edgerton introduced him to Jacques Cousteau, George Bass, Peter Throckmorton, Ed Link and many pioneers in the field. When Marty introduced his side scan sonar systems in 1967, there were no commercial units on the market. He helped to create an industry – there are now over 30 manufacturers of these systems, which have truly helped open the world of ocean exploration.

Benj Sykes, President of SUT, stated: "On behalf of the SUT, it is my pleasure to congratulate Martin Klein as the chosen nominee for the Don Walsh Award for Ocean Exploration, 2024. Marty's dedication to and support of ocean technology and its applications in ocean exploration, along with his contributions to education, make him a worthy recipient. His work has inspired the next generation of ocean professionals."

Beyond his technical achievements, Marty's commitment to education and giving back is unmatched. He plays an active role in shaping the next generation of ocean engineers across the globe. Marty has been an avid participant in MTS's MATE ROV Competition, inspiring countless young ocean explorers. Jill Zande, Executive Director of MATE, described Marty as "humble and unassuming, cringing at being called one of the 'grandfathers' of side-scan sonar, but his humility and dedication have profoundly impacted future ocean technologists."

Today, Marty supports organizations that parallel the pioneering spirit of his earliest work in ocean exploration. Katy Croff Bell, President of the Ocean Discovery League, shared: "I met Marty in 1999 when I was an ocean engineering student at MIT. When expanding the Board of Directors at ODL, Marty was at the top of my list. Marty is constantly pushing to take technologies further and figure out how we can improve the status quo; as a result, he has been instrumental in ODL launching a fundamentally new approach to ocean exploration via low-cost, accessible technologies and broadening the deep-sea community."

Marty's influence extends through his numerous publications, patents, and his involvement with various prestigious organizations, including the Explorers Club, the National Academy of Engineering, and the IEEE. His legacy is further cemented through the student scholarship he endowed at Memorial University, honoring his son's memory and supporting future ocean professionals.

Upon receiving the news of the award, Marty said: "I am humbled and honored. When I was a student at MIT, I read with fascination the Life Magazine cover story about the historic deep dive to 35,813 feet in the Challenger Deep/Mariana Trench by Jacques Piccard and Don Walsh in the Bathyscaph Trieste. Little could I know that three years later, just as I was beginning my career, the nuclear submarine USS Thresher would sink, the Trieste would be called from San Diego to assist the project, and I would become intimately involved in the first ever deep water search. During that search the great Don Walsh became a hero of mine and an invaluable friend and mentor."
The Captain Don Walsh Award for Ocean Exploration was presented to Marty Klein at the 2024 OCEANS Conference in Halifax, Nova Scotia in September 2024.



SUT Prize for Outstanding Underwater Engineering Project, University of Aberdeen, 2024

Sebastian Lynch was the standout student from the University of Aberdeen, in 2024. Sebastian has been honoured with the prestigious Society of Underwater Technology (SUT) Prize for his exceptional Level 4 Underwater Project. His civil engineering project, which achieved the highest grades in both the overall evaluation (19.95) and thesis (21.00), earned him this coveted recognition. Awarded by SUT in collaboration with the University, the prize includes a fully sponsored place on the SUT's renowned Subsea Awareness Course, highlighting Sebastian's remarkable contribution to underwater technology and engineering.



The Mick Cook Marine Site Investigations Award 2024

Awarded to Dr Philippe Jeanjean for significant contribution to Marine Site Investigation and Characterisation, covering the broad disciplines of Geophysics and Geotechnics.

Dr Philippe Jeanjean is a Senior Advisor, Geotechnical Engineering at BP. The judging panel voted unanimously for Philippe. Dr Jeanjean has worked for BP/Amoco for more than 30 years in the USA after completing his PhD in Engineering at Texas A&M and initial studies at Ecole Centrale de Lyon in France. Philippe has had a very distinguished career in geotechnical engineering and is a Fellow of the American Society of Civil Engineers (ASCE) and has chaired and been a member of several technical committees including the American Petroleum Institute (API) and the International Standard Organisation (ISO) concerned with geotechnical engineering and offshore foundations. Further, Philippe is an active member of the International Society of Soil Mechanics and Geotechnical Engineering (ISSMGE), the Offshore Technology Conference (OTC) and the Society for Underwater Technology (SUT). Philippe has authored and co-authored more than 60 technical papers and his contribution to the offshore foundations and geotechnical engineering industry has been enormous. Philippe is an extremely worthy winner of the Mick Cook Award, 2024



Gwyn Griffiths Award for Underwater Robotics (for those under 40) 2024

The 2024 GGURA winner was Jonas Wust of Tethys Robotics in Switzerland. Those who served on the selection committee were challenged by the experience of the nominees and their career achievements thus far.

Gwyn himself summarised what made Jonas of Tethys Robotics a stand-out entry – 'What audacity! Not content with facing and overcoming challenges in underwater robotics for fast-flowing rivers, their innovations in autonomous navigation and real-time mapping also allow operation in minimal visibility. I commend Jonas and Tethys on their exemplary originality and strategic vision so early in their underwater vehicle venture.'



President's Award 2024 – Professor John Sharp

Given annually, the SUT's President's Award, recognises contributions to the SUT and inspiration to those engaged in the marine science, underwater technology and subsea engineering.

Professor John Sharp, Chair of the Marine Renewable Energies Committee, has led MREC for more than a decade. From Tidal Turbines and Wave Power to Floating Wind, innovation, new technologies, technology transfer, the energy transition have been on the MREC agenda. John has brought together the interests of both the Committee, the Society and its members, academia and wider marine communities to share insights and activities for the benefit of all.

In academia John continues to inspire students and engage with colleagues who educate, stimulate and encourage the next generation of those involved in ocean careers so vital to us all. Many of this ex-students are contributing significantly in ocean careers.



The Lennard-Senior Memorial Prize 2025

In recognition of outstanding individual achievement in the field of Marine Renewable Energy the Lennard-Senior Memorial Prize was awarded to Jonathan Colby. Jonathan is a driving force in the advancement of marine renewable energy. His energy and dedication were instrumental in the success of Verdant Power's Roosevelt Island Tidal Energy (RITE) Project - the first commercially licensed tidal power project in the United States.

At a time when the nation remains heavily reliant on carbon-based fuels, Jonathan's work has helped chart a new course toward sustainable energy solutions. He is widely respected within the SUT MREC community for his deep technical knowledge, tireless participation in meetings - even across time zones - and his leadership as Chair of the IEC Technical Committee for Marine Energy, developing international standards that support the global growth of the industry.

As President and Founder of Streamwise Development, he continues to support innovation and commercialisation in the renewable energy sector. MREC is proud to recognise Jonathan for his outstanding contributions and lasting impact on the marine energy field

Council Summary



Council's Summary of Activity 2024-2025

STRUCTURE, GOVERNANCE AND MANAGEMENT

The Society's governing document is the Memorandum and Articles of Association and its full name is the Society for Underwater Technology Limited. The Society is a registered company limited by guarantee and a registered charity.

Council Members and their Interests

The Members serving on the Council throughout the year were as follows:

S V Duffield	B J Sykes	S F John (resigned 5 December 2024)
J Patten	G J Whitehead	M Crawford (resigned 24 October 2024)
Dr J Morgan	D A Brookes (appointed 24 October 2024)	
Prof R F Rayner	G S Schultz (appointed 24 October 2024)	
T H A Sloane	I R Wylie (appointed 5 December 2024)	
M M Stemp	M J Fearn (appointed 5 December 2024)	

None of the Members of the Council has any financial interest in the Society that requires disclosure under the Companies Act 2006. For Related Party transactions please see notes 11 and 20.

Council Members are appointed for three years by a ballot among members of the Society (members comprising the classes of Fellow, Individual Member and Corporate Member), and are drawn from among these Members. Candidates must be proposed and seconded by any two other Members. Ballot forms must be sent to Members twenty-eight days before the election, which is by simple majority, and this shall take place seven days before the Annual General Meeting. Those elected shall hold office from the conclusion of this Annual General Meeting. At the end of three years, a Council Member may stand for re-election, but no Member of Council may serve for more than six consecutive years.

New Council Members are not provided with a formal induction pack following their election. New Council members receive a letter which outlines their responsibilities as SUT directors and Trustees, any other induction requirements are covered by verbal briefings. In compliance with the Companies House requirements relating to identity verification the new Council members are given instructions on how to verify their identity in-line with those requirements.

Organisational Structure

A Board of Trustees (The Council) of up to or similar to 18 members, who meet quarterly, administer the Society. A Chief Executive (CEO), who is not a trustee, is appointed by the Council to manage the day-to-day operations of the Society.

Branches and Affiliates of the Society are established under the authority of Council in accordance with the Memorandum and Articles of the Society. They will have their own organising committees with elected officers.

Membership Summary

Corporate Members 128

Individual Membership 583

Category	2025	2024
Hon. Fellows	8	9
Fellows	83	90
Full members	440	673
Students	52	102
Corporate individuals	1596	860
Total	2179	1734

Table 1

Financial Summary

Unrestricted Fund (£)

Category	2025	2024
Income	£355,921	1,079,267
Expenditure	£345,248	736,517
Surplus/ (deficit)	£10,673	342,750
Transfers to restricted fund	—	—
Gain/(loss) on investments	(£10,264)	17,852
Retained surplus/ (deficit)	£409	£360,602

Table 2

Council's Summary of Activity

contd.

The results of branches of the Society whereby the UK charity either has control, or the branch is not deemed to be administratively autonomous are consolidated in the Financial Statements.

Details of remuneration of key management personnel are disclosed in note 11. Remuneration levels for key management personnel and other employees are set by the Executive Committee, whose members are set out on page 1. The overall gross salary allowance as presented in the budget is then ratified by the full Council.

OBJECTIVES AND ACTIVITIES

The Society is principally engaged in the promotion of awareness in all aspects related to underwater technology, science and engineering. Its Mission and Strategic Vision are described as follows:

Mission

The Society for Underwater Technology (SUT) is an international body actively promoting the development, dissemination and exchange of ideas, information and technology arising from or related to the underwater environment. Supporting global individual and corporate membership through a network of branches and special interest groups. Facilitating information and knowledge exchange through online communications, training courses, conferences, exhibitions, workshops, publications, guidance documents, and social engagements with a particular focus on attracting and developing the careers of the next generation of ocean technologists, engineers and scientists.

Strategic Vision

To maintain and develop SUT as the foremost society worldwide focusing on underwater technology, building on a reputation for high standards in publications, conferences and training courses; having a growing membership in the UK and abroad; and having significant influence with government and industry in relevant policy areas, and encouraging people to attain suitable qualifications and enter the field of underwater technology.

Public Benefit

In keeping with the Charity Commission's key principles that there must be an identifiable benefit to the public or a section of the public, the Society has undertaken the following activities during this financial year:

- It has supported 6 students, 4 undergraduates, 1 Masters and 1 Doctoral on relevant courses at a total cost of £9,500 (2024: note 8).
- Provided free of charge, to both members and non-members, the most highly acclaimed online magazine in the field of underwater technology and sub-sea engineering, entitled UT3.
- The Society provides both free and chargeable lectures, webinars and technical event programmes for the public and non-members. Again, in 2024 it has not been possible to deliver the Christmas lecture in person because of a lack of sponsorship in the local groups and the workload around the Society's September attendance at conferences such as Offshore Europe and its Subsea Awareness Courses. The Society is exploring developing online lectures for schools and events with schools timed at other points in the academic year, other than at Christmas, and developing these programmes with other like-minded bodies, associations and charities. In addition, the Society has donated volumes of its *Can a Lobster be an Archaeologist?* to schools in Hampshire and Aberdeenshire.
- Provided high quality subsidised training courses for industry.

Council's Summary of Activity

contd.

Grant Making Policy

Grants are awarded to high-quality students at either undergraduate or postgraduate (one-year taught MSc) or doctoral (PhD or DEng) level, known within the SUT as the Bil Loth grant, undertaking courses relevant to the area of interest of the Society with the aim of encouraging more entrants to the marine disciplines.

STRATEGIC REPORT

Achievements and Performance

We have referred to the guidance contained in the Charity Commission's general guidance on public benefit when reviewing our aims and objectives and in planning our future activities.

The Unrestricted Funds of the Society were increased by £3,246 after allowing for £10,624 in losses on investments and £11,400 expended for grants and awards. Please also refer to the Chair's Report.

Financial Review

Reserves Policy

Free reserves are established and reviewed to ensure that the Society retains a level of funds to meet its forward obligations and to ensure it can reasonably maintain a level of service in line with its objectives. The Council Members consider this to be approximately 50% of average annual expected expenditure.

Educational Support Fund

At events organised by the Society collections are taken up in favour of the Educational Support Fund which was a historic fund, now expended, used to pay grants to under and postgraduates. Donations to the Educational Support Fund are also received from the Society's JustGiving account established for this purpose. All monies collected in the name of this fund during a given year are fully expended on grants made within that financial year and, therefore, there is no balance sheet reserve in this name.

Investments

There are no formal restrictions on the investments made by the Society.

Plans for Future Periods

Please refer to the Chair's Report for future plans and developments.

Principal Risks and Uncertainties

The Council Members actively review the major risks which the charity face and confirm that they have established systems to mitigate the significant risks. A formal risk register is reviewed by Council at quarterly meetings.

Operational Risk

These systems are being put into a more formalised structure and are designed to reduce the likelihood of the risks and to lessen the impact on the Society should those risks materialise. Key risks at present are assessed as being associated with the Society's necessary global expansion and the concomitant development of IT structures to support this. However, no reason is seen to amend further the Reserves Policy as detailed above.

Council's Summary of Activity

contd.

Principal Risks and Uncertainties continued

Financial Risk

The Members remain cautious in terms of the Society's investment strategy and are satisfied they have taken appropriate steps to ensure that reserves are not placed at any undue risk. During the period and at the Balance Sheet date, the majority of balances held at bank were held in either current or deposit accounts with High Street banks. The make-up of fixed asset investments is given in note 14 of the Financial Statements. The majority of these investments are placed in two Charities Official Investment Funds.

Going concern

The Council Members have given due consideration to the ability of the Society to continue as a going concern.

The Society has returned a surplus of £409 for the financial year and at the balance sheet date the net assets of the Society are £689,428. The previous year had returned a substantial surplus due to the success of the OSIG 2023 conference. Investment portfolio and income increased with part of the OSIG 2023 surplus invested in higher interest accounts. The OSIG 2023 conference did not recur in the current year and will next take place in September 2027.

The Society's core income streams have all continued to recover after the impact of the COVID19 pandemic and the trend towards online courses. Membership income has increased by 1.55%; Conferences Workshops and Seminars income has generated £140,974 of income and a £93,825 surplus for the year.

We expect the upward trend on core income to continue and the Society continues to meet its minimum reserves policy of holding fifty percent of the expected next year's expenditure in reserves.

The Members are, therefore, satisfied that the going concern basis remains appropriate.

Funds held as Custodian Trustee on behalf of others

No funds are held as Custodian Trustee on behalf of others.

Statement of Council Members' responsibilities

The Council Members are responsible for preparing the Report and the Financial Statements in accordance with applicable law and regulations.

Company Law requires the Council Members to prepare financial statements for each financial year. Under that law the Council Members have elected to prepare the financial statements in accordance with United Kingdom Generally Accepted Accounting Practice (United Kingdom Accounting Standards and applicable law). Under company law the Council Members must not approve the financial statements unless they are satisfied that they give a true and fair view of the state of affairs of the Society and of the surplus and deficit of the Society for that period. In preparing these financial statements, the Council Members are required to:

- observe the methods and principles in the Charities SORP;
- select suitable accounting policies and then apply them consistently;
- make judgements and accounting estimates that are reasonable and prudent;
- state whether applicable UK Accounting Standards have been followed, subject to any material departures

Council's Summary of Activity

contd.

disclosed and explained in the financial statements;
• prepare the financial statements on the going concern basis unless it is inappropriate to presume that the Society will continue its activities.

The Council Members are responsible for keeping adequate accounting records that are sufficient to show and explain the Society's transactions and disclose with reasonable accuracy at any time the financial position of the Society and enable them to ensure that the financial statements comply with the Companies Act 2006. They are also responsible for safeguarding the assets of the Society and hence for taking reasonable steps for the prevention and detection of fraud and other irregularities.

Statement as to disclosure of information to Independent Examiner

So far as each person who was a Council Members at the date of approving this report are aware, there is no relevant information of which the Society's Independent Examiner is unaware. Additionally, each Council Member has taken all the necessary steps that they ought to have taken as a Council Member in order to make themselves aware of all relevant information and to establish that the Society's Independent Examiner are aware of that information.

This report has been prepared having taken advantage of the small companies' exemption in the Companies Act 2006.

Chair's Report



Chair's Report



SUT Chair of Council, Mike Fearn

Currently eight months into my term as elected Chair of Council within the Society for Underwater Technology (SUT) organisation, I am blown away by the dedication of the SUT staff, volunteers and Board members, who work tirelessly behind the scenes to ensure the ongoing success we have now and moving forward.

In 2025 alone at the point of writing we have conducted five training courses in the UK including Subsea Awareness, Introduction to Offshore Wind, Offshore Site Investigations Fundamentals, 19 technical meetings, participated in four conferences and two social events along with the various publications of BIG Blue World. On top of these we have held regular Special Interest Group Meetings such as MES, OSIG, UXO, MREC, Diving and crewed submersibles and the newly reformed Robotics SIG.

We have also taken the steps to refresh the image of the SUT coming in 2026. This will include a new and fresh SUT website in collaboration with our branches with a focus on our many Special Interest Groups, which any member of the SUT is invited to join and participate in. As a matter of fact, I strongly encourage member participation in SIGs, to keep up with the latest developments, technologies and engage with a full breadth of industry experts.

Finance and Accounts

The SUT Council budget for 2025-26 has been finalised and approved by Council. As a charity, the SUT's budget is set with modest expectations on creating income surplus and ever mindful of control on expenditures and overheads in the running of the Society.

The 10th OSIG conference will be happening in London in September 2027. This event has previously generated significant surplus following the event for the SUT and will be open for registration in early 2026. The work on the OSIG 2027 is underway and the Society has secured Central Westminster Hall as the venue, the deposit for which is classified under prepayments in note 16 to the accounts.

The 2024-25 accounts reflect a strong performance of SUT training courses including Subsea Awareness and Offshore Wind courses all contributing to the Society's surplus in addition to stable membership numbers, donations for specific awards, budget lines for continued support for SUT's Educational Support Fund (ESF). The SUT remains able to support our charitable endeavours, on-going commitments and funds in savings and investments for SUTs sustainability and future initiatives. The SOFA page 2-8 in the accounts shows a small surplus before accounting for the unrealised loss of £10,264 on the investments held at the balance sheet date. At 23 October 2025 the investments had recovered £3,358 of that lost market value.

Conferences

One of the core capabilities of engaging with existing and new members is the presence at conferences globally with the thanks to our Branches and team within the UK.

So far this year we have had a stand at Subsea Expo, Ocean Business, All Energy and Offshore Europe where the team have received increased interest from the industry about where SUT could support, the training courses along with the advantages of our Special Interest Groups, which surprise me are still relatively unknown to a lot of people including our members. In November 2025, the Middle East Branch will be present at ADIPEC in the UAE. In 2026 we are looking ahead to Subsea Expo,

Chair's Report

contd.

Oceanology International and All-Energy.

Other conferences attended have been events like IPF and OTC (Offshore Technology Conference) where people would have seen Andy Hill (SUT-US, Houston Branch Chair) and myself engaging with the industry on the benefits of the SUT. Dave Brookes and Benj Sykes were in attendance at Global Offshore Wind in London.

The OSIG conference committee has already started planning for the next OSIG conference in London 2027 which the SUT Centre Team is providing support on.

More conferences and events are planned and will be available on the website www.sut.org

Educational Support

An ever increasing number of applications are received from students around the world pursuing academic degrees in the disciplines covered by SUT: underwater, marine and subsea science, technology, engineering. The applicants are passionate about their interests and the aspirations for the future. A report on SUT's education activities and grants given to students appears in the Annual Report.

Awards

The Awards report lists SUT Awards bestowed during 2024 – 2025 financial year, is also included in the Annual Report.

A list of Fellows elected by SUT Council are included in the Awards Report. The SUT Awards include: The Lennard Senior Memorial Prize, The President's Award, The Captain Don Walsh Award for Ocean Exploration (joint with MTS), The Mick Cook Marine Site Investigations Award, The Gwyn Griffiths Underwater Robotics Award (for those under 40), SUT Prize for Outstanding Underwater Engineering Project, University of Aberdeen.
Note 8 in the Accounts relates to the Awards.

Communications

Currently our Underwater Technology Podcast is on a hiatus with new episodes but all previous episodes are still available and worth a play back if you haven't listened before. I want to thank Martin Stemp for all his commitments in delivering these episodes voluntarily and the interest in underwater technology, marine science and subsea engineering.

As a reminder, all SUT members have access to our quarterly newsletter Big Blue World as well as UT2 and Underwater Robotics magazines. We strongly encourage all members to contribute any news, articles on innovation, updates or thought pieces for inclusion into the magazines. SUT members are also able to submit articles to the MTS journal.

A big welcome to all our new starters this year including Clare Parisi, Katie Fearon, Julie Callaghan and Michelle Jones who will be working alongside our current team of Cheryl Burgess, Jane Hinton to continue to deliver the training courses, SIG support and conferences globally for the SUT and all its volunteers.

On behalf of all the SUT members and the team, we wish to congratulate our very own Emily Boddy and her husband for welcoming their first child this year to their family. Emily, Publications and Communications Officer went on maternity leave in April 2025. We look forward to Emily's return in 2026 when her maternity leave concludes.

Lastly, I would like to thank all of those who volunteer for the SUT on Exec, Council, in Branches, Affiliates and Special Interest Groups. We appreciate all that you do.

Thank you to everyone involved in making the SUT a success and here's to the growth and success of SUT as we enter our milestone 60th year.

Mike Fearn, SUT Chair and Vice President

Branch Reports



Aberdeen Branch

www.sut.org/branch/aberdeen



Graham Whitehead

Committee

Chair Graham Whitehead
Vice-Chair Paul Slorach
Treasurer Calum Hayton
Training
Graham Whitehead
Branch Events
Chris Wallace
Projects Euan Fowler

Keith Anderson
Ace Awaad
Sylvain Denniel
Martin Harley
Ross Ingram
David Warren
Co-Opted Committee (9)
Dr Ibiye Iyalla
Dr Srinivas Sriramula
Paul Benstead
Martin Brown
Doug Combe
Louise Mearns
Daniele Petrone
Scott Duncan
Bill Gray
Scott Robbie
Emeka Oti
Louise Mearns

It has been a challenging year for the Aberdeen branch, but one that represents a busy period.

General Introduction

The Aberdeen Branch has had a successful year and has been able to deliver on its planned programme for the duration of the year which included:

- 7 x Evening Technical Meetings
- 4 x Training Courses
- 1 x Business Breakfast
- 1 x AGM
- 2 x Social Events

We are looking forward to a similarly active year in 2025/26 and hope to bring additional activities to our programme.

Committee

There were a few changes in the Aberdeen committee over the period.

- Graham Whitehead took over the role of Branch Chairperson from Andrew Connelly, although Andrew remains on the Committee. Andrew stepped up to the Chair role at a key point from the branch and worked hard to juggle a young family, with work commitments and SUT activities both at branch and council level and we wish to thanks him for all his hard work.
- Scott Robbie of Ashtead Technology, Emeka Oti of BP and Louise Mearns of Rosen all joined as committee co-opt members.
- Ace Awaad of Impact Subsea stepped down from the Committee and we thank Ace for the support he has given.

A key focus for the Committee in 2024/25 is to engage with the Corporate member organisations who have a local presence in the area. Over 40 different organisations are being targeted with a view to fostering better engagement with our local activities and adding greater value for the membership.

Evening Meetings

The Branch ran seven evening technical meetings throughout the year. The meetings were well attended, generally hosting around 40 participants, with



Aberdeen Branch

contd.

the meeting on saturation diving attracting around 60 participants. The Branch would like to acknowledge the support of all the presenters and their organisation and Aberdeen Cricket Club for hosting the evening meetings.

Details of the meetings and presenters throughout the year are summarised below.

Gadgets & Widgets, September 2024

- Euan Fowler, Xodus - XAMIN Asset Data Management
- Fraser Pritchard, Smarter Subsea - Advanced Underwater Vehicles for the lifting, positioning, and recovery of large subsea infrastructure
- Alasdair Murray, MacArtney - Fibre Optic Monitoring System
- Tim Eley, OceanTech Innovation - Robotics Tools for the Splash Zone
- Alex Lovie, Imenco - ROV Obstacle Alert System
- Dave Taddei, Honu Worx - A Hybrid Cloud-Edge Architecture to Supercharge Remote Subsea Operations
- Mike Killeen, Mako Offshore - Dorsal Elastic Polyurethane Conductor and Caisson Restraint
- Yaseen Sharif, University of Dundee - Where is your anchor and how will it behave?

Design and operating challenges in Carbon Capture and Storage (CCS) systems, October 2024

- Richard Powell, Crondall Energy - Offshore transportation of CO2
- Pedro Da Matta, 2H Well - Re-purposing for CCUS service
- Dr Hooman Haghighi, Wood - Role of Digital Technologies for Scaling-up Carbon Capture and Storage:

Opportunities and Challenges

Materials & Corrosion in the Underwater Environment, November 2024

- Craig McCord, Subsea7 - The use of Swagelining® products in deepwater water injection applications withstanding upset operating conditions
- Filippo Mazzoni, BP - Discovery and remedial of HISC failures in the North Sea region
- Julien Maurice, Magma Global - Thermoplastic Composite Pipes: Meeting Demands and Ensuring Reliability in Challenging Applications with Carbon / PEEK materials
- Stephanie Okoye, Vysus - Hydrogen Embrittlement with an emphasis on HISC (Hydrogen-Induced Stress Cracking)

Diving – Research, Practice and Safety, February 2025

- Bill Chilton, IMCA - Commercial Diving Incidents and Lessons Learnt
- Graeme Robb, JFD - Hyperbaric Rescue
- Mario Gagliardini, Boskalis Subsea Services - Closed Bell Resuscitation, The Dunoon Method
- Calum Miller, BP - Clair Ridge caisson removal: a diving case study

Key Insights and Lessons Learned on Site Investigations for Offshore Floating Wind Developments, March 2025

- Simon Oakley, Fugro - Site survey data gathering opportunities: a contractor's viewpoint
- Mark Finch, Ternan Energy - The role of an Expert Witness in offshore foundation engineering and construction
- Oliver Lever, TechnipFMC - Environmental Engineers and how they Generate Value

Autonomy in Action, April 2025

- Ted Manning, BP - Autonomous Sustainable Seismic Nodes
- Alan Anderson, Oceaneering - Autonomy and Residence in Action
- Maverick Piccininni, Exail - Technical and Operational Developments in the next 12 months

Aberdeen Branch

contd.

- Sam Mountain, Reach Subsea, Introduction to Reach Remote USV

Decommissioning Subsea Infrastructure, June 2025

- Rainier Duijts, Shell - Learnings taken over the last 3 years on their Wellhead Severance campaign. Issues encountered and equipment development over the campaign
- Alex Dow, BP - Andrew Marine and Subsea Decommissioning Operation Case Study
- Craig Baxter, Claxton Engineering - Multi-String Cutting: Solutions for Cutting and Abandonment of P&A Wells
- Graeme Barnett, Boskalis Subsea Services – "Diving to Diverless" focus on change of strategy part way through the delivery of a project and the challenges to overcome

The Branch looks forward to hosting a similar number of evening technical meetings throughout 25/26. Any member organisation who believes they have a topic of interest they would like to share is welcome to contact the Branch to discuss further.



Other Events & Activities

Pub Quiz AGM, January 2025

Our first event of the year was the AGM combined with Pub Quiz held at the OGV Taproom in Aberdeen, under the watchful guise of our Chris Wallace acting as compere and question-master.

On the formal side of the meeting, the outgoing Chair Andrew Connelly, provided an overview of the Branch activities in the previous year and introduced the incoming Chair, Graham Whitehead who gave a short introductory speech.

Less serious but equally important for bragging rights, the quiz was keenly contested amongst the attendees. Fugro's "Very Important Geologists" team coming out on top in a final round decider. We hope to see all the teams return for the 2026 event.

Aberdeen Branch

contd.





Business Breakfast, January 2025

In January 2025, the Branch held its annual business breakfast meeting at the Marcliffe Hotel in Aberdeen, chaired by our former Branch Chair, Martin Harley. With over 50 delegates, this event always delivers a strong turn-out to hear the insights of market intelligence professionals delivering information not available from mainstream news media or industry press, which is why people pay to attend.

This year, the SUT welcomed James Hall of Axiom Emi, Catherine MacFarlane and Ross MacDonald both of SP Global. Repeating the of 2024, the purpose was to revisit some of the previous year's predictions and offer new views across subsea markets both local and global in oil and gas and offshore wind.

The Branch intends to repeat the Business Breakfast event next year, looking forward to attracting a line-up of interesting & topical speakers.

Education & Training

Subsea Awareness Course

The Subsea Awareness Course (SAC) run by the Aberdeen Branch continues to achieve strong industry support. Run over five consecutive days, the course is a mix of classroom style learning with four site visits arranged to allow delegates to see equipment at first hand and gain practical experience on simulators used to train offshore personnel.

The course presenters are all working professionals who make time in busy schedules to pass on their experience to the delegates. Four courses were run throughout they year with over 40 delegates attending the course, across a healthy mix of age, nationalities and gender.

The SAC team are indebted to support of the organisers and presenters throughout the year which has included

Baker Hughes, Fugro, Bp, Wood, Xodus, OneSubsea, KD Marine, Global Maritime, Subsea7, Crondall Energy, University of Aberdeen and Decom Mission,

Special acknowledgement also goes to Clare Parisi and Paul Benstead for attendance at all courses to ensure the smooth running.

The SUT have already announced dates for the courses in 2025/26 and are already taking bookings Training | SUT | Society for Underwater Technology

- 8-12 September 2025 – sold out
- 3-7 November 2025 – sold out
- 23-27 February 2026
- 8-12 June 2026
- 7-11 September 2026
- 2-6 November 2026

Aberdeen Branch

contd.



University of Aberdeen



Baker Hughes



OneSubsea

University Guest Lectures

A new initiative undertaken in 2024/25 was to support the under and post-graduate programmes of University of Aberdeen and Robert Gordon University by attracting guest lecturers to present to their students on topics close to their course syllabuses. Both institutions benefitted from this initiative with a number of speakers delivering lectures sharing their experiences and industry insight.

Social

Summer Social Event

The Branch held a joint summer social evening with the local branch of The Hydrographic Society (THS) in August 2024. Despite the requirement to change the venue on the day as the previous venue went into liquidation, over 40 people turned out for informal drinks, nibbles and networking.

Charity Dinner

The Branch's annual dinner has not been held since the pandemic, but the Committee agreed in early 2025 that it was appropriate to hold the dinner function in Autumn 2025 to avoid competing with other planned events.

The Branch organised an exclusive evening to connect with fellow professionals over fine dining, great company, and to heard from fantastic after-dinner speaker Chris Lemons and enjoyed a memorable evening. During the evening guests raised over £4600 for Royal National Lifeboat Institution (RNLI).

Chris Lemons has been a commercial diver, and now IMCA Diving Supervisor for over 18 years, and currently specialises in deep sea saturation diving, operating almost exclusively in the oil and gas industry. Chris suffered a catastrophic accident in 2012 which left him stranded on the bottom of the North Sea with nothing to breathe for nearly 40 minutes. His miraculous story of survival has been immortalised in the 2019 Netflix/BBC docufilm "Last Breath" which is now recreated in the 2025 Hollywood movie of the same name starring Woody Harrelson, Simu Liu and Finn Cole.



Australia Perth Branch

www.sut.org/branch/perth



Brett Phillips

Committee

Chairman Brett Phillips
Vice Chair Mark Casey
Treasurer Leanne Geneve
Secretary Bukkie Orugun

Matthew Allen
Nicole Austin
Mark Casey
Michael Cocjin
Paul Farquharson
Leanne Geneve
Rasoul Hejazi
Farjana Jahan
Shane Kirkbride
Bukkie Orugun
Brett Phillips
Emilien Rulence
Liam Salter
Paul Upjohn
Keith Wallace
Iain Wylie

This was a milestone year for SUT Perth celebrating 20 years since it's formation.

SUT Perth Committee members continue to provide enthusiastic, imaginative, and creative support to the branch ensuring we are able to deliver courses and events for the duration of the year. We would like to thank all committee members for their efforts in enabling us to reach our goals:





Current Perth Branch Sub-Committees: (bold indicating sub-committee lead)

- Advertising: Michael Cocjin; Steve Duffield; Leanne Genever
- AMT Conference 2025 : Mark Roberts; Brett Phillips; Mark Casey; Steve Duffield
- Annual Dinner: Shane Kirkbride, Leanne Geneve, Mark Casey; Rubna Kunhabdulla
- Branch Support: Brett Phillips
- Course Review: Liam Salter, Leanne Geneve, Victor Gomes, Rubna Kunhabdulla, Nicole Austin

Australia Branch

contd.

- Decom / Salvage: Brett Phillips; Emilien Rulence, Victor Gomes, Rubna Kunhabdulla
- Engagement: Nicole Austin, Colin McIvor, Victor Gomes, Farjana Jahan
- Evening Technical Meetings/AGM: Bukkie Orugun, Liam Salter, Rasoul Hejazi, Rubna Kunhabdulla, Mark Roberts, Nicole Fiumana, Marisol Salva Ramirez
- EXA 2025 (was AOG): Julie Morgan; Mark Casey, Tim Stuart
- Finance: Fiona Allan; Brett Phillips; Leanne Geneve, Mark Casey, Rubna Kunhabdulla
- Golf Day: Steve Duffield, Shane Kirkbride, Tim Stuart
- HSE: Mark Casey
- Immerse :Emilien Rulence; Harry Mackay (Consultant); Liam Salter
- Membership: Steve Duffield, Bettina Silvert; Leanne Geneve
- Mentoring: Mark Casey; Shane Kirkbride; Liam Salter, Victor Gomes
- METAR – Marine Energy Transition and Renewables (New): Michael Cocjin; Nicole Austin, Victor Gomes, Colin McIvor; Sander Scheffers
- Scholarships: Farjana Jahan; Michael Cocjin, Leanne Geneve, Liam Salter, Julie Morgan, Nick McNaughton, Raphael Alwan along with Student Liaison Officers
- Subsea Engineering Accreditation: Mark Casey, Brett Phillips, Rex Hubbard, Ian Wilson, Chris Merrick, Afton Galbraith, Gabrielle Pennock
- SUT International Committee: Steve Duffield
- Curtin Uni Industry Advisory Committee – Colin McIvor
- WA Societies: Bukkie Orugun; Shane Kirkbride
- SUT Council: Brett Phillips
- Training (with SUT UK): Leanne Geneve





SUT Perth Branch Events

The Perth committee and staff were very busy during the year with the following events being held during the year:

- 5 x Evening Technical Meetings
- 1 x Conference (Subsea Controls Down Under)
- 5x Courses (in person)
- 4 x YES! events
- 4 x OSIGp events
- 1 x AGM
- 2 x Social events (Annual Dinner & Golf Day)

Our 2024 Annual Dinner was held at the prestigious Westin Hotel celebrating 20 years of SUT Perth with 240 people attending.

Wood and SEA Global were the event sponsors, and we thank them for their continued support throughout a challenging year.

Australia Branch

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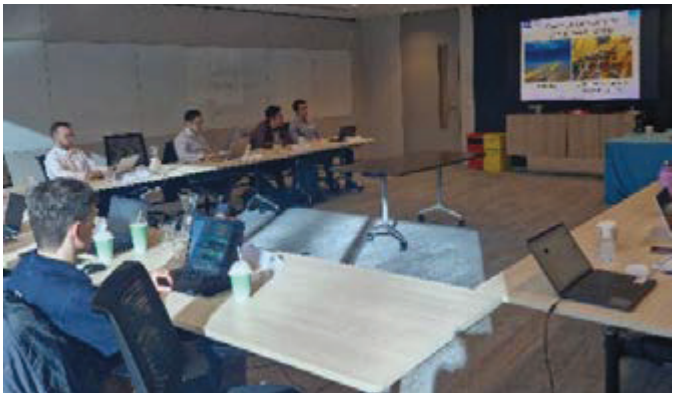
Conferences

The SCDU Conference was successfully held in October 2024 at the Parmelia and was held over 2 days with 113 attendees.

We would like to thank Chevron, Viper Innovations, Woodside Energy, Yokogawa, Trendsetter, Verlume, SLB, OneSubsea and Baker Hughes for their sponsorship and support of the SCDU Conference.

Courses:

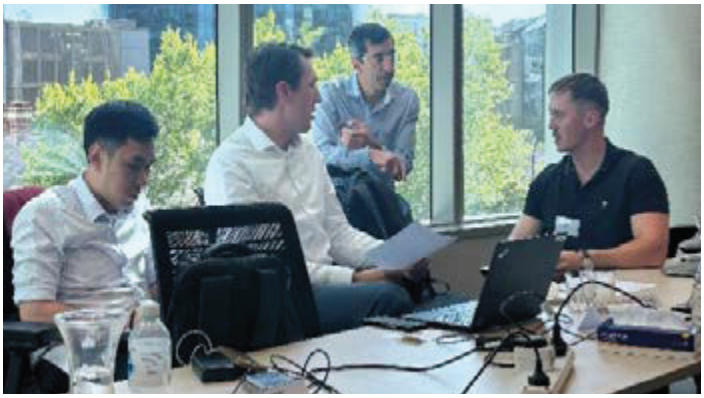
The following training courses were run in person in the 2024/2025 year:





- 1 x Materials and Corrosion Course – July 24



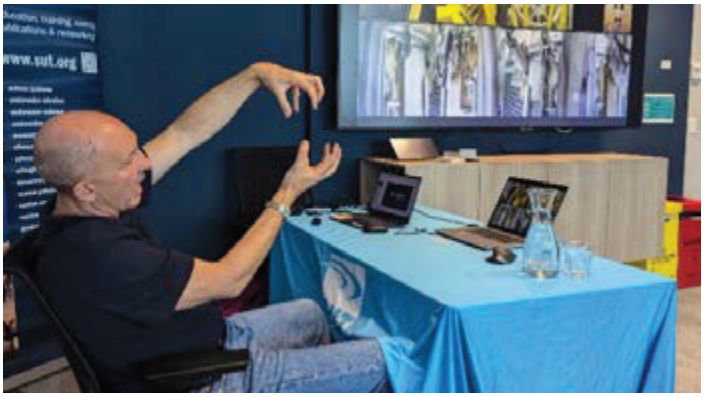


- 1 x Flexi Risers Course – November 24

Australia Branch

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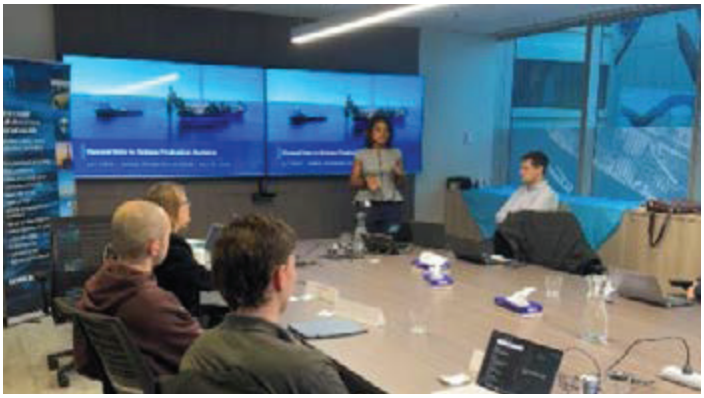
- 1 x Positioning and Survey Course – March 25





- Subsea Awareness Course – May 25





- 1 x Subsea Productions Systems Course - June 25

Evening Technical Meetings

The following technical meetings were held:

August 24 ETM: Offshore Wind Foundations (151 attendees)
Speakers: Doug Cleland, James Tuckwell, Andrew Ripley
Sponsored by IQIP and LDD

October 24 ETM: Artifishal Intelligence (163 attendees)
Speakers: Chris Madeley, Michael Morris-Thomas, Chris Saunders & Mike Smith
Sponsored by Woodside Energy

Australia Branch

contd.

February 25 ETM: Decommissioning (167 attendees)
Speakers: Brett Phillips, Shreenath Natarajan, Sander Scheffers
Sponsored by Hydrobiology and Centurion

April 25 ETM: Advances in ROV Technologies (119 attendees)
Speakers: William Wilkinson, Tim Stuart, Stuart Barrow
Sponsored by Fugro and Oceaneering

June 25 ETM: Driving Innovation in Offshore Wave Energy (92 attendees)
Speakers: Jana Orszaghova, Tim Green, Hugh Wolgamot
Sponsored by UWA

The SUT Perth Committee is, as always, grateful to all presenters and ETM chairpersons for their generous time and efforts in making our Evening Technical Meetings such a success, and for those generous corporate members who support the evenings with their sponsorship.





- August 2024 ETM





- October 24 ETM

Australia Branch

contd.





- February 25 ETM





- April 25 ETM





- June 25 ETM

Australia Branch

contd.









Golf Day – September 2024

For our annual golf day, the SUT once again teamed up with the Society for Petroleum Engineers for a collaborative golf day. We changed the day back to a Friday and went to Maylands Golf Course for a fantastic day of golfing and networking was had by all that attended.
We had 108 for the event and 25 teams battled it out on the course before enjoying post game food and drinks whilst the prizes were awarded. A great day was had by all.

We are very grateful for the sponsors who made this possible – SEA Global; Geo Oceans and Sonomatic; Centurion; and A60N.

SUT Perth Sub-Committee Updates

Branch Administration

The 2024/2025 year saw Jade Melville (our Events & Marketing Manager) taking maternity leave in June 25 and had a baby girl soon after. She has been replaced by Sylvia Ibrahim and Renae has come back in a casual role as when we need her. Suzanne Thien (our SUT Marketing Events Assistant) left in October to pursue another marketing role and was replaced by Claire Van Poecke until July 25. Sylvia now includes marketing in her role. Ellaria Ibraheem is still an Events and Marketing Assistant.

These 3 events staff along with Fiona Allan, who are all part time, take great pleasure in coordinating and organising all our events, initiatives, administration, membership and accounts for the Perth branch of the Society from our West Perth location.

Australia Branch

contd.

Branch Support

The Branch Support lead has held meetings with Malaysian SUT members.

Branch Initiatives

During the year, Perth branch continued / started with the following initiatives:

- Subsea Engineering Competency Framework continued
- 3 more Scholarships offered in 2024/2025
- Contributing to the EAGE/SUT Workshop in August 2024 on Integrated Site Characterization for Offshore Wind
- Making Donations to Not for Profit Organizations on behalf of our Speakers for Courses and Events
- Review of current Courses offered and continuation of planning for a new Renewables Course, expected to run in 2026

Branch Strategy

The current Strategic Plan (2021-2025) still has the Strategic objectives being:

1. Engage with Tertiary Institutions
2. Diversification of Membership
3. Be more Active in Knowledge Transfer
4. Value for Membership Money

This will be reviewed in August 2025 for the new Strategy plan for 2026-2030

Engagement

The strategy concentrates on continued engagement with our existing members to ensure we remain relevant whilst having a stretch target to engage 2-3 more organisations.

The focus points include:

- Canvas existing legacy members to understand how we can grow and how they can contribute.
- Increased Operator attendance at ETMs
- Provide training to companies who are employing graduates / less experienced personnel
- Stretch to grow our regular sponsorship base and increased membership numbers
- Continued Growth in diversification of SUT Perth branch.
- Continued Synergies with ETM, Engagement and Membership Sub-committees

Finance

SUT Perth Branch maintains being in a surplus in the 2024-2025 financial year of approximately $AUD 1,000
(unaudited) after a prior year surplus of $AUD 47,000

This was mainly due to:

- Only holding 5 courses during the financial year (held 7 in the prior year) with lower number of attendees compared to the prior year

An audited Income and Expenditure Statement for the year will be forwarded to Council following the finalization of the audit in October 2025.

Australia Branch

contd.

Marketing

Over the recent reporting period, our LinkedIn performance showed strong growth and engagement. We gained 578 new followers, received 3,485 reactions to our posts, and had 60 reposts, indicating that our content continues to resonate well with our audience. Additionally, our page recorded 2,036 views, reflecting consistent interest and visibility.

In our email marketing efforts, we sent out a total of 96,428 emails. The campaigns achieved a strong open rate of 39.2%, demonstrating the effectiveness of our subject lines and targeting. The unsubscribe rate remained very low at 0.05%, suggesting that our messaging continues to be relevant and well-received by our audience.

Membership as at 30 June 2025:

Perth Branch Membership	**June 2025**	**June 2024**
- Individuals	89	86
- Fellows	14	13
- Corporate -Local and Global w rep here	48	43
- Students	57(free)	73 (free)

Remote Members:

- New Zealand; New South Wales and Victoria

All new Individual and Corporate members are approved by a Membership Sub-Committee.

Mentoring Programme (SUT-SPE-SEA-PESA-PCWA-ASEG-)

SUT will run the Mentoring programme for the 2025/2026 financial year.
(The mentoring program is run in conjunction with other similar societies in Perth on a yearly rotating basis.)

OSIG Perth (OSIGp)

OSIGp stands for "Offshore Site Investigation and Geotechnics Perth", which is a special-interest group of the SUT with interests covering the area of the so-called 4G's: Geology, Geophysics, Geomatics and Geotechnical Engineering.

Established in 2012, the OSIGp Committee currently comprises of members from various backgrounds (primarily operators, consultants and academics) with a committee term of 2 years.

As part of its remit, the committee actively pursues and organises technical and also non-technical activities that are of interest to its network with the committee's events in 2024-2025 including:

- OSIGp Movie night July 24
- OSIGp Prize Night December 24
- An online OSIGp Webinar May 25
- OSIGp Quiz Night June 25

The Committee is also actively collaborating with other OSIG groups based in the UK and Houston, for example in establishing technical guidance notes on various 4G-related topics.

Thanks goes to all the 2023/2024 and 2025/2026 OSIGp committee members for their time, enthusiasm and hard work.

Australia Branch

contd.





Australia Branch

contd.







Scholarship Awards

SUT Perth branch has continued with our policy of supporting students studying relevant courses in Australia and displaying a strong interest in continuing into a career or further studies in underwater disciplines.
We have now awarded 81 scholarships since 2007.

This year we awarded 4 scholarships and are pleased at the continued and positive uptake of scholarships by the student fraternity. Scholarship recipients were

Marine Renewable Energy Scholarship sponsored by Aurora Offshore Engineering:	Bryan Tan (UWA)
Digital Automation in Engineering Scholarship sponsored by SEA:	Ruba Zaheer (ECU)
Chris Lawlor Scholarship to the Most Outstanding Candidate:	Ruba Zaheer (ECU)
SUT Excellence Scholarship:	Jurgen Valckenaere (UWA)

Subsea Engineering Competency Framework Project

The initiative by SUT (Perth Branch) in conjunction with industry is for Subsea Engineering to be recognised as an Area of Practice (AoP) by Engineers Australia (EA)

SUT provides the basis for technical assessment in the AoP of Subsea Engineering and supports EA with the technical assessment of submissions for recognition in the AoP of Subsea Engineering

The benefits are a career planning tool and personal recognition as a competent subsea engineer, which is recognised in Australia and Internationally.

For 24/25, 9 engineers were accredited under this programme.

YES! (Young Engineers & Scientists)

YES! was formed in 2013 to build a community of young subsea professionals, promoting collaboration and networking to ultimately drive the future of the subsea industry.

The Purpose of SUT YES! Is to:

- Promote awareness of subsea industries and link in with universities
- Provide and support professional development of young professionals, students and scientists in subsea industries
- Provide opportunities for networking and informal mentoring for young professionals, students and scientists in subsea and related fields

During the year the subcommittee successfully held the following events:

- YES! Technical Breakfast September 24
- YES! Collaboration Event with WISE and SPE October 2024
- YES! Site Visit March 25

Australia Branch

contd.



- YES! Quiz Night with SPE May 25

In addition to events, YES! Committee members have promoted SUT membership and events at universities, supported SUT Mentoring and have a large involvement in the SUT Scholarship program.

YES! has two generous annual sponsors, Woodside and Santos.

The YES! sub-committee members' effort and time has been immense throughout the past year and we thank them for that. The YES! committee members have a 2 year term and are:

SUT The Year Ahead

The Perth branch of SUT will soon formulate a new 5-year Strategy plan 2026-2030. As part of this we will review the progress made in the initiatives from the 2021-2025 strategy and set the path for the Societies Strategy Plan through to 2030.

All of the activities mentioned above will continue to support growth of the society. In the background our committee members will continue to review existing content and develop new content, leads and opportunities for collaboration with other societies and engagement with other industries with an interest in underwater technology.

The budget for 2025/2026 has been approved by the Finance Committee with a surplus expected. We are looking to run a full calendar of events for the next financial year.

Sincere thanks are given to the Members, Sponsors, Presenters, Office Bearers, Committee, Sub-Committees and SUT Staff during the year. It has been a pleasure to be the Perth Chair for the last two years and I wish the new Chair and the 2026 SUT Committee all the best.

Brett Phillips
Perth Chair 2024 and 2025
Society for Underwater Technology - Perth Branch Inc.

Brazil Branch

www.sut.org/branch/brazil



Prof. Segen F. Estefen

Committee

Chair Prof SF Estefen
Secretary Prof M Vaz
Treasurer T Netto
Executive Manager
VC Santos

C Bonfim Silva
P Couto
E Labanca
E Nakagawa
C Paulo
M Teixeira

No Report Submitted

China Branch

www.sut.org/branch/china

SUT China branch successfully organized the 13th International SUT (China) Technical Conference in Tianjin, China, during 1st - 4th November in 2024, in conjunction with China University of Petroleum (Beijing). The conference was hosted by Tianjin University.



The conference was opened by Prof. Zhang Yu, the chairman of the China branch of the Society for Underwater Technology (SUT) and Professor at China University of Petroleum (Beijing), who hosted the ceremony and delivered a speech, and Prof. Yu Jianxing, the former Vice President of Tianjin University and director of the Institute of Marine Engineering, and Prof. Xu Wanhai, professor at the Department of Naval Architecture and Ocean Engineering, Tianjin University, jointly served as the executive chairs of the conference.

With the theme of "Green Development of Marine Energy", this technical conference focuses on underwater technology, offshore engineering equipment, marine mineral resources and renewable energy development and utilization. More than 180 experts and scholars, graduate students from Brazil, United Kingdom, United States, and other countries, China National Offshore Oil Corporation, China Ship Scientific Research Center, China Classification Society, more than 50 universities, research institutes and enterprises in the field of offshore engineering attended the conference.

On November 2, the invited keynote presentations were given by Cheng Liang, Australian Academy of Engineering academician and Dean from the School of Marine Science and Engineering at South China University of Technology; Prof. Yu Jianxing, former Vice President of Tianjin University, Chief Scientist of the National 973 Program, and Chair Professor; Cui Weicheng, Director of the Deep-Sea Technology Research Center of Westlake University and first deputy chief designer of "Jiaolong"; Xu Lixin, National Distinguished Professor and honorary chairman from the International Association of Marine Engineers; Frank Lim, National Distinguished Professor and global technical advisor from 2H Offshore; Yan Jun, Changjiang Scholar of the Ministry of Education and Dean from the School of Mechanics and Aerospace Engineering at Dalian University



ZHANG Yu

Committee

Chair ZHANG Yu
Founder Chairman
DUAN Menglan
Chairman Emeritus
Frank LIM
Technical Advisors
ZHOU Shouwei
ZENG Hengyi
CUI Weicheng
Secretary HE Yangye
Treasurer ZHANG Yu

AN Chen *(Beijing)*
AN Weizheng *(Beijing)*
BAI Xinglan *(Zhejiang)*
CHANG Yuanjiang *(Qingdao)*
FU Guangming *(Qingdao)*
LIANG Xu *(Zhejiang)*
SHEN Yijun *(Haikou)*
WAN Decheng *(Shanghai)*
XU Liangbin *(Zhuhai)*
XU Wanhai *(Tianjin)*
YAN Jun *(Dalian)*
YANG Zhixun *(Harbin)*
ZHANG Dagang *(Qingdao)*
ZHANG Changzhi *(Shenzhen)*
ZHENG Hao *(Changsha)*
XIE Peng *(Zhuhai)*

China Branch

www.sut.org/branch/china













of Technology; Liu Run, National Outstanding Youth Fund Recipient and Director from the Geotechnical Engineering Research Institute of Tianjin University; Lu Huimin, National Distinguished Professor and Executive Dean from the Advanced Research Institute of Ocean Engineering of Southeast University; Yu Xichong, Director of R&D Center of CNOOC New Energy Company, Jean-David Caprace, Academic Director at COPPE of Federal University of Rio de Janeiro, Brazil; Marcelo Igor, Director of Ocean Engineering Department at Federal University of Rio de Janeiro, Brazil; and so on. On the 2nd day of conference, the professors, experts, engineers, and students presented their latest research achievements in four technical sessions.



The Annual General Meeting was held on October 2nd, 2024. Prof. Zhang Yu introduced the newly added members of the Local Committee of the SUT China Branch: Prof. Wang Fang from the College of Engineering at Shanghai Ocean University, Prof. Zhang Jian from the School of Mechanical Engineering at Jiangsu University of Science and Technology, Prof. Zhu Daqi from the School of Information and Engineering at University of Shanghai for Science and Technology, Prof. Qu Yan from the School of Marine Science and Engineering at South China University of Technology, and Prof. Sui Titi from the College of Harbour, Coastal and Offshore Engineering at Hohai University. After discussion, all committees unanimously decided that the 14th SUT Technical Conference in 2025 will be held in Zhenjiang, Jiangsu, co-organized by Westlake University, Jiangsu University of Science and Technology, and University of Shanghai for Science and Technology. Prof. Cui Weicheng from Westlake University and Prof. Zhang Jian from Jiangsu University of Science and Technology, representing the organizers, reported on the conference preparations and expressed their full commitment to hosting a successful conference. Hohai University, South China University of Technology, and Harbin Engineering University expressed intentions to host the 15th SUT Technical Conference in 2026. The meeting confirmed that the selection of future SUT Technical Conference hosts would be determined through collaborative consultation.

China Branch

contd.





List of Members:

Chairman	ZHANG Yu
Founder Chairman	DUAN Menglan
Chairman Emeritus	Frank LIM
Technical Advisors	ZHOU Shouwei
	ZENG Hengyi

CUI Weicheng

Secretary	HE Yangye
Treasurer	ZHANG Yu

Committee Members

BAI Xinglan (Zhoushan)
CHANG Yuanjiang (Qingdao)
CUI Weicheng (Hangzhou)
FU Guangming (Qingdao)
LU Qingzhen (Dalian)
MA Qiang (Beijing)
QU Yan (Guangzhou)
SUI Titi (Nanjing)
XU Wanhai (Tianjin)
YANG Zhixun (Harbin)
ZHAN Ming (Zhenjiang)
ZHANG Jian (Zhenjiang)

The 14th International SUT (China) Technical Conference will be held in Zhenjiang, Jiangsu Province, China, from October 31 to November 3, 2025. SUT China branch has published the 1st notice of the 14th International SUT (China) Technical Conference online. A WeChat communication group of scholars, experts and students were created for the 14th International SUT (China) Technical Conference. The 2nd and 3rd notices will be published before the conference.

Eastern Mediterranean

www.sut.org/branch/eastern-mediterranean/



Dan Hayes

Committee

Chair Dr Daniel Hayes
ViceChair / Secretary
Dr Nicolas Droushiotis

John Charalambides
Demetris Hadjigeorgiou
Mohamed Medany

The EastMed SUT branch held 2 meetings in 2025 and organized one public event. On the 27th of February, after our Annual General Meeting and Committee Meeting, we had the great pleasure to hear from Robert Hawkins and Mohamed Medany with topic: Fugro Offshore Regional Geotechnical Assessment. It was hosted at the Cyprus University of Technology and attended by professionals and students (approximately 20 people in total).

SUT East Med – Mitigating Deepwater Challenges

On the 14th of October, the committee met and decided to seek new partners from local universities. A short list of ideas for events for 2026 was also compiled. Finally it was decided to renew the committee in the next AGM.

London & South of England Branch

www.sut.org/branch/london

The London and South of England Branch of the SUT has had an exciting and productive year, marking SUT LSE is a stable branch of SUT. We are realistic on events that we can put on. There are constraints with costs of venues in London but counter this by working with our corporate members and utilising their facilities wherever possible. Our subcommittees help sharing workload with a different coordinator for each event.

The Chair, Deputy and Treasurer have been in post for 7 years. We have had no takers to take on the roles but the branch is already running with a high degree of role sharing, so this is likely the model for the future.



Richard Binks

Committee

Chair Richard Binks

Deputy Chair
Keith Broughton

Hon Treasurer Iain Knight

Legal Advisor
Simon Hems

Committee Members:

Mark Pickering
George Varelis
Antonia Corr
Harry Henly
David Gawen
Alex Rimmer
David Newman
Julian Tucker
Spencer Clark
Scott Gower
Gehrig Schultz

Sub-Committees:

Events Team: Responsible for Technical meetings and social events. Within this group, individual events have a designated leader or champion.

City Team: Responsible primarily for running events in London that are of interest to the insurers of subsea equipment. In the past, we focused these events on lunch and learns. However, with people working only part of the week at their city desks and taking shorter lunchbreaks, the lunch and learn concept is less viable.

Liaison Team: Responsible for reaching out to other SUT Special Interest groups (SIG). This team includes the important liaison with the Education and Training SIG.

Membership Team: Responsible for maintaining and developing our individual and corporate membership.

Event Venues:

For evening events, we have successfully used a new venue this year, The Warehouse in Waterloo plus we still use St Johns church also near Waterloo. These are low cost and convenient venues.

We are grateful to Lloyd Warwick International for hosting our evening of Floating Wind presentations at their offices near Leadenhall Market.

Events 2024-2025

As a committee, we try and balance presentations between renewable technologies and traditional oilfield presentations.

7 November, All Electric Smart Valves: Lorenzo Rosano ATV

ATV's Smart Valve is an innovative solution to elevate subsea valve reliability using a health monitoring system.

This system's strength lies in its ability to collect data from sensors integrated into the valve body, with data processed locally by subsea electronic modules. Only key information is transmitted to the asset management system ensuring efficient monitoring, even where data transmission bandwidth is limited.

This evening had one of the most animated Q&A sessions ever and demonstrated the strength of the SUT in tackling complex technical issues.

26 November 2024, Quiz Night Ye Olde Watling Pub, 29 Watling Street, London EC4M 9BR

Sadly, this was our only social event this year. The Olde Watling pub hosted a capacity crowd of the collective brains of SUT.

This was the London and South of England Branch's 9th Annual Pub Quiz at the

London & South of England Branch

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Ye Olde Watling with quizzers served a buffet served between rounds.
Many thanks again to our Quiz Master on the night, the always amusing, Phil Bailey.

29 January, 2025 Floating Wind Talks
The evenings presentations were on the challenges of Floating Wind Farms from site investigation, inter-array cables, through to the structures themselves Three talks were given:
'Site Investigation and Anchoring for Floating Offshore Wind – The MA17 Project'
Jordan Geear CGeol FGS, Global Business Lead – Engineering Geology, Global Maritime
'Dynamic Array Cable Configurations'
John Willcocks, Consulting Technical Director), Wood
'The Application of Machine Learning to predict the Fatigue Performance of Floating Wind Foundations'
Nick Allen, Principal Naval Analysis Engineer, Saipem
This was another sold out evening and attracted a high number of attendees who were not regulars at SUT events.

13 February 2025: Managing the risk of Unexploded Ordnance in Marine Construction Projects
Joint event with The Hydrographic Society at Royal Institution of Chartered Surveyors, London
This was a busy event with over 80 attendees. 20% of the registrations were SUT members, 15% RIC members and 25% THS members. It highlighted the benefits of holding events jointly with other organisations. Presentations were given by three industry experts on the latest developments in UXO management, detection and mitigation.
The detection and management of Unexploded Ordnance (UXO) represents a significant risk and cost in construction operations, particularly those associated with offshore wind. This event explored UXO from a risk management and regulatory perspective. The talks covered the latest developments in the survey tools and processes that are used to support identification and location of UXOs.

Agenda:
Offshore UXO Risk Management Best Practice – Simon Cooke, 6 Alpha Associates
Challenges and Opportunities for Nearshore UXO Survey – Rob Arnold, Spectrum
Planning of UXO surveys to improve Windfarm commercial delivery - Mike Wood, Sulmara
UXO is an important topic within LSE branch insurance industry members, and we plan to run another UXO event in 2026.

21 May 2025: Design Rules for Hydrogen Pipelines
Hydrogen pipeline design: comparing industry guidelines to address embrittlement and material challenges: George Varaledis Worley
The fast-developing hydrogen economy requires supporting distribution and storage infrastructure. Hydrogen pipelines can facilitate both purposes. Nevertheless, specific challenges related to hydrogen embrittlement effects on carbon steels and the demanding operating conditions must be addressed at early design stages. This presentation focused on the hydrogen-specific design guidelines available to date, for new and repurposed pipelines.
Subsea Hydrogen Pipelines Design, Economic and Safety Challenges John Willcocks Wood
Subsea hydrogen pipelines are becoming important as part of a wider hydrogen transport network. Hydrogen pipelines require additional design criteria and considerations compared to Oil & Gas pipelines. These are largely related to the hydrogen impacts on material properties, material degradation mechanisms and probably most significantly technical safety. Hydrogen subsea pipeline design considerations will be presented covering the technical, economic and safety challenges.
This was another evening where the SUT leaned into its learned side and discussed complex technical issues to a packed crowd of pipeline engineers.

London & South of England Branch

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Training

Running training courses is an important revenue stream for SUT. Unfortunately to run the course needs more time to coordinate our requirements with SUT's training group. We still have training requirements that have potentially good returns. There is a key requirement for industry investors to understand the technologies and for insurers to better understand subsea equipment risks.

Membership

Maintaining our membership levels is our lifeblood. Hopefully active committee members act as SUT catalysts within their companies, posting meeting notices and encouraging event attendance. Corporate members need regular SUT updates to show that we continue to offer added value in return for the membership investment. We also develop ties to other professional groups such as Lloyds U35s and other societies that include the Offshore Engineering Society and The Hydrographic Society.

Summary

As ever the LSE branch is indebted to its committee members for ideas and the energy to drive us forward. We are grounded as a team, understanding our capabilities and capacities as volunteers. We now have tried and tested venues and so have an excellent base to achieve our targeted events.
Richard Binks Chair SUT LSE Branch 28/08/25

Malaysia - Kuala Lumpur

www.sut.org/branch/malaysia-kuala-lumpur/



Marian Copilet

Committee

Chair Marian Copilet
Secretary Jasmine Shim
Treasurer David Trees

Kalaivarma Marimuthu
Sudeep Suresh
Ruben Ratna Kumar
Jeyanthi Ramasamy
Derek Thomson

No Report Submitted

Middle East Branch

www.sut.org/branch/middle-east

ADIPEC 2024 gave us another opportunity to be present at the world's largest oil and gas show. We had a stand courtesy of DMG (ADIPEC event organizers) in the Offshore, Marine & Logistics zone and they were eager to re-engage this year for 2025. Continuing the theme on Subsea cable-lay, SUT Middle East chaired a session with Global Underwater Hub (GUH) to discuss seabed cables which are a critical part of the national infrastructure for power and communications as well as playing a key role in offshore electrification goals. Mocean Energy delivered an interesting session on wave energy conversion, while Tekmar Group and Nylacast talked about subsea integrity together with MCS Group on data management and inspection, ROV services and intervention.

This year for ADIPEC 2025 Adrian Phillips, Mark Thomer from Dolphin Energy, Ibtessam Hassan at Fugro and Nawin Singh, McDermott are all actively involved in the SPE technical session. All four chairing sessions on Installation, and Under Water Technology: Pipeline and Cable-Lay, EPRS and ROV/UAV subject matter as well as regulation and policy.

Following the hugely successful event hosted by Prysmian, Hitachi and Jan de Nul presenting the case for HVDC systems for Offshore Power Transmission in the MENA region where ADNOC presented the case for DC vs AC for the electrification of their offshore facilities via Das Island, SUT tackled the Practical Realities of Laying Submarine Cable, Flexible and Umbilicals in the Shallow Waters of the Middle East. As length and size of cables increases, SCA cable-carousels discussed sizing and fabrication opportunities for high-capacity (10,000Te) turntables and related equipment in the middle east. Motive Offshore Group Ltd followed on the Installation of umbilicals, cables & flexibles for shallow water application, Reel Drive systems and alternative methods and finally Mermaid Subsea Services presented case studies on submarine cable loadouts, transport and installation on KSA CRPO 82 and MIP2 projects in the Kingdom of Saudi Arabia.

ADNOC, Aramco and Qatar Gas continue to release a stream of high value projects. The committee have come together once since ADIPEC 24 to plan current and future events. This heralds the 7th year SUT has been active in the Middle East which remains a challenging domain for SUT type activity, without a legal entity, the recent project's surge, climactic challenges and the transient nature of the expatriate engineering community. We are currently looking for a new chairman to lead activities in region.

We continue to draw the committee from major players in the industry; major EPC (McDermott, Saipem and Subsea 7) and ADNOC. Otherwise, the committee has representatives from Ashtead, DCN BV, Fugro, Lloyd Warwick, Dolphin Energy, Motive, Prysmian, Baker Hughes, Horizon Geo, Unique, Dolphin Energy, CSub, Mammoet and the Tekmar Group. These companies are the subsea industry in the Middle East and all focused-on Aramco, ADNOC and QG (QatarGas) offshore activity in Saudi, UAE and Qatar. I continue to thank all for their continued energy and commitment.



Adrian Phillips

Committee

Chair Adrian Phillips

Dubai

Graeme Chalmers
Steve Goddard
Bob Morgan
Nawin Singh
Bedros Mardikian
Anand Menon
Ashish Rawal
Chris West
Ross Anderson
Lesya Kramarenko
Pat Carey

Abu Dhabi

Richard Richards
Russell Harper
Mark Thomer
Katherine Ferguson
Anthony Quick
Scott Steven
Killian Palop
Jeff Dean
Ibtessam Hasan
Carl Petter Halvorsen

North of England Branch

www.sut.org/branch/north-of-england



Vahid Walker

Committee

Chair Vahid Walker
Honorary Secretary
Dr Simon Benson
Treasurer Jon Greenwood

Dr Ian Frazer
Martin Bingham
Michael van Zwanenberg
Ken Chan
Anthony Harvey

No Report Submitted

Norway Branch

www.sut.org/branch/norway

No Report Submitted

Singapore Branch

www.sut.org/branch/singapore



Raj Nagalingam

Committee

Chair Raj Nagalingam
Secretary Florie Mancel
Treasurer Jose Puig

Phillip Thomas
Che Keong Leo
Andrew Blears
Peter Nilson
Derek Donalson

2024 was a year of transition as I took over the Chairmanship from James Christie. It was both an honour and a responsibility to continue the strong legacy he left behind. Together with our dedicated committee and volunteers, we successfully elevated SUT Singapore's presence in the country and across the region.

This year is especially meaningful as we celebrate the 10th anniversary of SUT Singapore. Over the past decade, we've grown into a vibrant community of professionals passionate about subsea technology, and 2024 was no exception in continuing that momentum.

Among our key achievements in 2024:

- We hosted three well-attended technical and networking events, including a joint seminar with industry partners that drew over 100 participants.
- We welcomed 9 new individual members, reflecting growing interest in our mission and activities.
- We secured 9 sponsors in 2024, and I'm pleased to share that this number has increased to 12 sponsors for 2025. Their support is vital in subsidising the cost of our events and enabling us to deliver value to our members and the wider community.
- We strengthened our collaborations with other professional bodies and academic institutions, laying the groundwork for future joint initiatives.



As a volunteer-run branch, our activities are currently limited to 3–4 events per year, but each is thoughtfully curated to deliver meaningful engagement and knowledge sharing. Looking ahead, our goal for 2026 is to organise a Subsea Awareness Course in Singapore—an initiative that will further our mission of education and outreach in the region.

I would also like to take this opportunity to express our deepest gratitude to Mr. Jose Puig, who has served in various roles within the branch since its inception. His dedication and contributions over the years have been instrumental in shaping SUT Singapore. As he steps down from his role as Treasurer, we thank him sincerely for his service and commitment.

The Annual General Meeting (AGM) was held on 16th January 2025, during which voting was conducted and the new committee was formed, as indicated in the table below.

Singapore Branch

contd...

2024 and 2025 Sponsorship

We managed to secure sponsorship for our 2025 activities, and we are very grateful to our sponsors to make it possible for us to carry out the activities.



2024 Events

SUT Technical Evening held at the One Farrer Hotel on 25th September
Presenters were









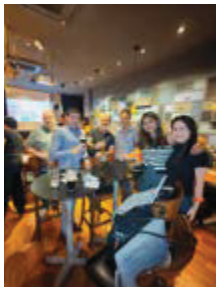
Singapore Branch

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Networking Evening :

We successfully hosted a networking evening 14th December 2024. It was held at Harry's Boat Quay and more than 50 people attended.



2025 Events

SUT Technical Evening 20th March 2025

We organised the 1st of technical evenings for 2025 at the One Farrer hotel and we had an excellent turnout.










Singapore Branch

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SAUVC

SUT Singapore sponsored $1000 SGD to the Singapore AUV Challenge held in Singapore Polytechnic on 5-8th April.
Chairperson - Raj Nagalingam was also invited to be in the panel of speakers.

SAUVC is the largest underwater student robotics competition in Asia, and is also endorsed by the United Nations via its Decade of Ocean Sciences. It brings together student teams from around the world, challenging them to design and build autonomous underwater vehicles (AUVs). By navigating a controlled environment and tackling real-world tasks relevant to offshore applications, they gain invaluable experience in AUV systems engineering, fostering future talent in this critical field. The competition (started in 2012) also features workshops, panel sessions and lectures from world-renowned experts in marine robotics and autonomous systems to inspire participants with new ideas and techniques to solve challenges and build an interest in careers related to marine robotics.

Looking Ahead

We have a technical evening scheduled for October/Nov 2025 & a year end celebration in December

Future plans

SUT Singapore has plans to organise a Subsea awareness course in 2026 and also considering offering bursaries to students.

Meetings

Committee meetings were held on 16th Jan 2025 and 15th May 2025

SUT+

www.sut.org/sutplus/



Matthew Barnott

Committee

Chair Matt Barnott, Flotation Energy
Vice-Chair Joseph Souter, Imenco
Treasurer and Sponsorship officer Louis Gunaratne, Xodus
Communications Officer Luna Yang, Xodus
Education Liaison Sopefoluwa "Sope" Adeleye

Committee Members -
Jamie Hillier, Xodus
Cayleigh Bruce, Technip-FMC
Lawrence Adeniyidada, Wood
Angus Roberts, Subsea7
Lewis Williamson

A noteworthy change was in March 2025, Jamie Hillier stepped down as Chair, Matthew Barnott stepped up from Vice Chair to Chair and Joseph Souter stepped up from Communications Officer to Vice-Chair. Also, Louis, Sope, Luna, Cayleigh and Lawrence joined the committee as of early 2025.

We believe this is a strong number of members for our current ambitions, but undertake regular review of this and will seek new members if necessary.

Having been part of this committee for the last 3 years, I have seen a lot of change, we have moved from meeting online in a post-covid world with our cameras off, to having in person monthly meetings as standard, a change that Jamie Hillier started and I have continued. This in itself has made a massive impact on how cohesive the team feels and there is a notable increase in productivity as a result. We have also introduced an additional fortnightly "informal" meet-up in a local café to provide a regular time for the committee to meet more socially. I believe this focus on building the team is contributing the growth of our activities and dependability of our committee members, which we intend to continue over the next 12 months.

On that note, this is a highly motivated team of young professionals from a number or organisations who have proven themselves very capable generating great ideas and new initiatives, organising and hosting events and securing excellent site visits.

I would like to thank the whole SUT+ team for their continued support and I would like to especially highlight Joseph Souter, our Vice-Chair who has been a powerhouse of enthusiasm, support and organisation. He is an asset to the team and has dedicated a lot of time to making sure our events go ahead as planned and is a model member of the committee.

Support from the wider Aberdeen Branch main committee and the SUT central team has also bee greatly appreciated, with a special shout out to Graham Whitehead, SUT Aberdeen Branch Chair and Cheryl Burgess, SUT CEO, who have been looking out for us, providing us with new opportunities and making sure we get the support we need."



SUT+

contd...

Strategy Updates

In terms of events, towards the end of last year the team met up and decided to reshape and add more structure to the SUT+ approach to organising and securing events. The idea was to develop a fixed schedule of standard annual events in each quarter of the year to work towards, while continuing to pursue webinars, site visits and other events in between.

The reasoning behind this strategy is providing a look-ahead for the next 12 months should help us as a committee organise ourselves more effectively, ensure a steady flow of events for our community and hopefully use this consistency to grow our outreach.



The planned events for 2025 are as follows:

Q1 – Careers Event
Q2 – Kincardine Site Visit
Q3 – Chartership Event
Q4 – Pub Quiz Networking Event

The events themselves may change year to year, but the overarching strategy of consistently providing quarterly events to target each year should remain. An annual strategy session will be held in November this year to develop a look-ahead for 2026 and use some of the lessons learned from 2025.

It is also my ambition to sign all committee member sup to the STEM Ambassador scheme so we can start engaging with schools and attend careers events.

University Engagement

We have been engaging with the University of Aberdeen (UoA) and Robert Gordon University (RGU) over the last 12 months and plan on hosting our Q3 event in RGU.

We have University Representatives at both UoA and RGU, who have been effective in spreading the word about our events around the Universities. Both of these university reps are due to graduate shortly, so Sope (our Education Liaison) is working on finding replacements, we are targeting 3rd year students now rather than MSc students to provide more longevity to this role. This feeds into a wider idea around restarting some SUT presentations at universities to gain student members and engage student representatives.

In general, given our target audience, Universities will become more of a focus going forwards, they benefit significantly from industry engagement and there is scope for us to benefit from them and use their campuses to host events for free.

SUT+

contd...



2024/2025 Successes

See below list of activities from June 2024 onwards:

2024:

Introduction to Floating Offshore Wind Webinar
SUT+ 2025 Strategy Session

2025

Q1 Careers Event
Q2 Kincardine Site Visit
KD Marine Site Visit
Offshore Europe Future Talent Presentations

2025/2026 look-ahead

See below list of activities and ideas planned up to June 2026 with some indicative timings:

2025:

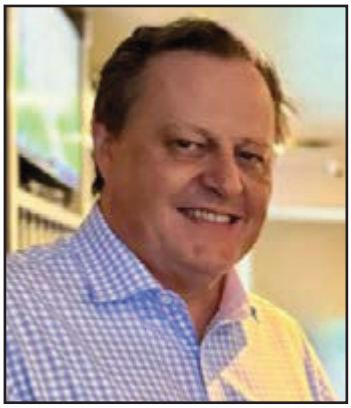
September 2025 - SUT+ Committee Annual Social Meet-up
September 2025 – University "recruitment" Presentations
Q3 2025 - Chartership Event (1st week in October)
21st October 2025 – Technip Christmas Tree Factory Tour
November 2025 - SUT+ 2026 Strategy Session
November 2025 – National Subsea Centre Site Visit
Q4 2025 - Pub Quiz Networking Event

2026

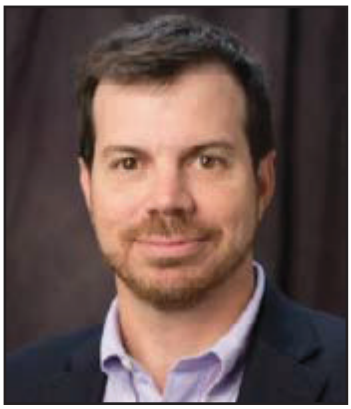
Q1 2026 - Event (TBC pending strategy session)
March 2026 - Committee Member Refresh
Vote for committee positions
Q2 2026 - Event (TBC pending strategy session)
Schools Competition
Careers Event

US Branch

www.sut.org/branch/houston



Andy Hill



Dr. Rodolfo Sancio



Dr. Xiaoyan Long

At the start of 2025 Tricia Hill finished her stint as Chair of SUT-US after three very successful years. We thank her again for her dedicated service for the ongoing success of the SUT in the US over the past three years.

At the start of the year, we were also able to celebrate three of our members, Colin Johnston, Patricia Varela and Luz Zarate becoming well-deserved SUT Fellows - being recognized for their steadfast support and efforts for the society over many years. We were also able to formally award the 2024 Mick Cook Award for Marine Site Investigation to Dr. Philippe Jeanjean.

Our year of activity has been loaded towards the second half of the year. In the first quarter we participated in the Subsea Tiebacks conference in Galveston providing a well-attended one-day Introduction to Subsea Operations course and helping with a student education program.

Shortly afterwards a successful four-day subsea awareness course was held – which is scheduled again for September.

Committees have all been active with their quarterly meetings and holding one-off technical webinars and evening events on various subjects.

We were also pleased to see the start of a student chapter at the University of Texas at Austin and the rejuvenation of the chapter at Texas A&M University's Galveston campus.

Most recently a very successful career building workshop was held by our Young Professionals and Women in Industry committee. However, the back end of the year is scheduled to see a flurry of event planned: "The workforce of the future in Energy" student event at University of Houston, the inaugural Curran Lecture, the annual Scholarship Awards evening, quiz night, a Marine

Members at Large:

Chair Andy Hill BP, SUT-US
Treasurer Rodolfo Sancio, Geosyntec Consultants,
Secretary Xiaoyan Long, Fugro

Maria Ancheril, MREC Chair
X. Sam Guo, Subsea 7
Heather Cousson
Christopher Curran, Past Chair
Colin Johnston, Sea Nation
Karen Perez, Wood Plc
Zack Westgate, OSIG Chair
Andrew Haigh, Ocean Geo Solutions Inc - School Touring Chair
Zhen Cheng, Consultant - R & A Chair
Roneet Das, NGI, Young Professionals
Tricia Hill, Past SUT-US Chair
Mark Siegmund, Past SUT-US Chair
Zenon Medina-Cetina, Past SUT-US Chair
John Allen, Member at Large
Jan Van Smirren, Member at Large
Jon Halliburton, Member at Large
Alison Tóth, Member at Large
Don Schlater, Member at Large, Past Treasurer
Keshawa Shukla, TAMU, SEO-Atlantic
Tina Drexler, ExxonMobil
Damilola Abe, Wood, Education Committee Chair
Andrew Tucker, New Texas A&M University SUT-US TAMU Student Chapter Chair
Sapna Budhrani, New University of Houston SUT-US Student Chapter Chair
Cole Robbins, New Texas A&M University SUT-US TAMUG Student Chapter Chair
Mary Zhao, New University of Texas SUT-US UT Student Chapter Chair

US Branch

contd.

Archaeology Course and the relaunch of Integrated Marine Site Investigation course after a long lay-off.

As incoming Chair I would like to thank Mariana Diaz and Patsy Rhymes for holding us together, Rodolfo Sancio for navigating the SUT-US ship through challenged financial waters, our committee chairs, course and event organizers and our generous corporate and individual sponsors that allow us to deliver our events at competitive prices.

Here is a summary of Key Activities at the SUT-US Branch (1 July 2024 - 30 June 2025)

Floating Wind Solutions Conference

January 15th – 17th, 2025



Subsea Tieback Galveston 2025

March 4th – 6th, 2025 | Attendees:





US Branch

contd.

Subsea Awareness Course Spring March 2025

March 24th – 27th, 2025



Offshore Technology Conference OTC:

May 5th -8th, 2025 – SUT-US celebrated Sola Komolafe for her Emerging Leaders Class Award at the Offshore Technology Conference (OTC) in Houston, TX





SUT-US YP & WIND present: AI for Offshore Energy

April 17th, 2025





US Branch

contd.

SUT-US YP + WIND 5 Career Superpower Seminar

June 5th, 2025








Networking Events

We held our monthly Networking Events at various venues, including Memorial Wine Cellar, Red Lion, Watson's House of Ales, Union Kitchen, Kirby Icehouse, Velvet Oak Tavern, Texas T Tavern, and others.




US Branch

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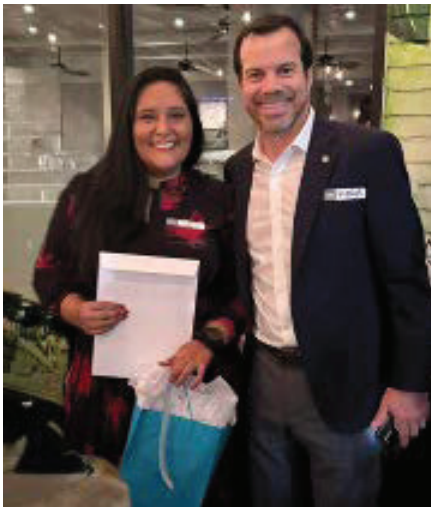


US Branch

contd.

Xmas Networking Event - New SUT Fellows

We held our monthly Networking Events at various venues, including Memorial Wine Cellar, Red Lion, Watson's House of Ales, Union Kitchen, Kirby Icehouse, Velvet Oak Tavern, Texas T Tavern, and others.






US Branch

contd.



Zack Westgate

This year has seen a shift in the US direction of our industry, reversing the acceleration in offshore renewable energy development over the past several years towards conventional energy. While the SUT US OSIG committee membership covers a range of skillsets relevant to both sides of the industry, this change prompted a recalibration of our focus as an SUT learned society committee. Last year saw a more than 20% increase in recruitment of new associate membership, several from the Northeast of the US where offshore wind was accelerating rapidly, with ongoing updates to the OSIG website. Our learning event and short course content was renewables-oriented, notably through the SUT/EAGE offshore wind workshop, the annual offshore wind webinar series, and a planned restructuring of the Integrated Marine Site Characterization (IMSC) course. While this has led to some scheduling changes for events this year, OSIG membership remains active with consistently more than 50% meeting attendance, committed to provide a more balanced approach to its outreach, learning events and social activities. This is exemplified through the upcoming inaugural Curran Lecture from two distinguished OSIG community members, a short course on Marine Archeology planned for this fall, and the IMSC relaunch planned for December.

Full Members

Chair Zack Westgate
Secretary Logan Brant -

Amanda Evans
Andrew Haigh
Andy Hill
Chris McHugh
Christian Noll
Chuck Aubeny
Craig Shipp
Dan McConnell
Dan Spikula
Dianna Phu
Ed Clukey
Heather Cousson
Justin Bailey
Justin Carpenter
Kim Faulk
Leonardo Macelloni
Patricia Varela
Robert Gilbert
Rob Little
Ryan Beemer
Shawn Williamson
Stephanie Watts Favreau
Victor Taboada
Xiaoyan Long
Zenon Medina-Cetina

Associate Members

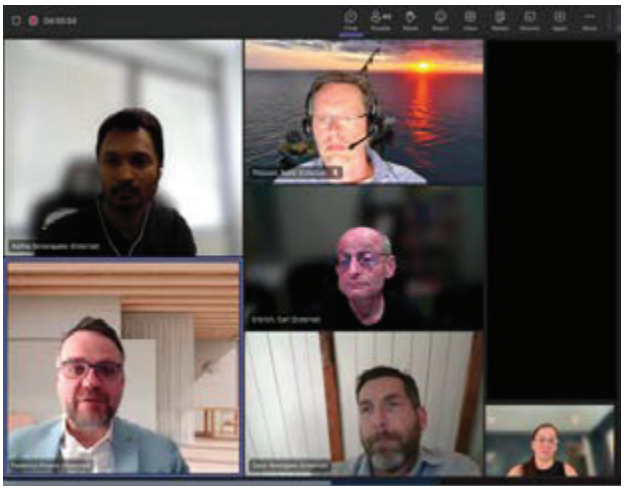
Agathe Onuwaje
Daniel Lanier
Deanne Hargraves
Diane Baxter
Earl Doyle
Elizabeth Andrews
Federico Pisano
Francisco Hernandez-Martinez
Jack Templeton
Jan Van Smirren
Jeong-yun Won
John Albertson
Kerry Campbell
Mehdi Kadivar
Niall Slowey
Nick Clark
Nina Stark
Ning Luo
Oladayo Komolafe
Patrick Lee
Peter Ramsay
Rania Aql
Roneet Das
Shengmin Luo
Shuang Hu
Stephanie Milne
Steven MacDonald
Taro Coraspe

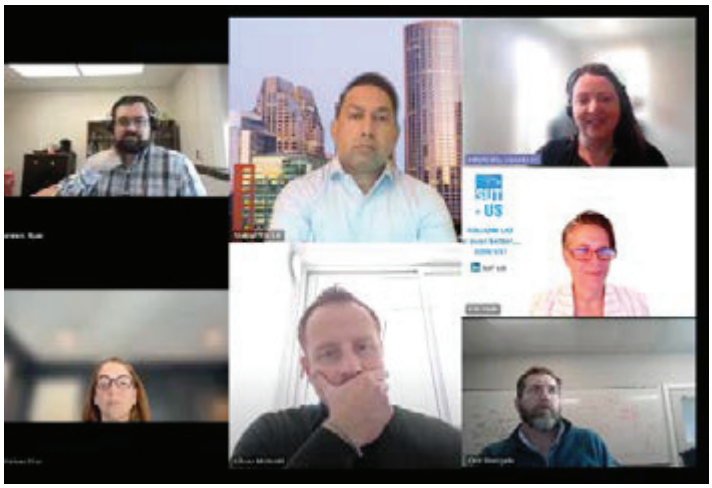
US Branch

contd.

Meeting and Quality Presentations:

- Pile run challenges and solutions for offshore wind development webinar – June 13th, 2024
- Deep sea minerals: critical minerals for electrification, renewables, and other green technologies. Resource base, exploration and production methods, and measuring environmental impact – October 17th, 2024
- SUT-US OSIG presents: Seabed Considerations for Subsea Cables in Offshore Wind Development - Session 1 & 2 webinar - April 8th and 15th, 2025





SEO Atlantic (& Europe) Committee



Keshawa Shukla

Bi-monthly meetings were organized with guest speakers on the current and future topics of interests such as "Subsea Integrity Management and Digitalization", "Offshore hydrogen value chain and offshore wind energy and new challenges", "Holistic Cable Monitoring Solution to Deliver Rapid Intelligent Operational Decisions", "Cyber Security for Subsea Engineers", "The OSS/Chevron Joint Project to Develop 20Ksi Production Equipment", Digital Subsea Operations", followed by the regular discussions and planning for the future events and activities, along with the participations in SSTB meeting, OTC, Gastech Conference, etc. Future topics of interests were discussed and agreed with EC inputs with Focus on the Topics of Major Interests, such as "Delivering Net Zero (decarbonization),Offshore Wind Energy, Carbon Capture, Utilization and Storage (CCUS), The Hydrogen Economy, AI and Digital Transformation, Subsea Robotics, Electrification of Offshore Assets, Subsea Processing of Oil and Gas Production, All Electric Systems of Subsea Oil and Gas Production, among others". Further recommendations were made on the development of skills such as digital/AI-ML, digital data, robotics, SCADA, software training, College Students involvement, OESI etc. SUT was promoted through the SUT guest speakers to the Subsea Engineering and Ocean Engineering students at Texas A&M University.

US Branch

contd.

SEO ATLANTIC Committee Roster

Chair Keshawa Shukla

Ahmed Abdelhady
Alison Toth
Brian Skeels
Chad Fowlow
Charlie Reith
Chellappan Thirunavukkarasu
Cheryl Burgess
Chigozirim Cyprian Onyek
Chris Egan
Chris Roper
Colin Johnson
David Mande Woro
Hodjat Shiri
Juan Pablo Orozco Muñis
Maria Ancheril
Mattew Lohnes
Mike Paulin
Nicholas Pacewicz
Nicolas Droushiotis
Ranil Banneyake
Rick Hunt
Sam Guo
Tai Prince
Timothy Park
Tricia Hill
Xiaoyan Long

Robotics and Automation Committee



Zheng Chen

R & A Committee Roster

Chair Chen Zheng

Aaron Becker
Arnt-Helge Olsen
Byul Hur
David Fraser
Dabney James Bruster
Dave Gentle
David Emery
Eric Levitt
Faisal Yousef
Fathi Ghorbel
Francesco Bernardini
Hifzi Ardic
Javier Garcia
John Allen
Karen Perez
Matthew Kowalczyk
Nathan Ehrenholz
Nick Tillamnn
Roneet Das
Wenyu Zuo

Meetings and Quality Presentations

University of Houston + SPRINT Workforce of the Future - Robotics in Energy

August 15th, 2024





US Branch

contd.

R&A Lunch & Learn with Matthew Kowalczyk B.A.Sc. CEO

October 25th, 2024



Marine Renewable Energy Committee (MREC)



Maria Ancheril

Strategy:

- Current administration has offshore wind on hiatus in the US.
- As a committee we agreed to continue to position ourselves to support the offshore wind industry options and other alternative energy solutions.

Tactics:

- Continue to focus on other global wind opportunities while continuing to network with industry and academia on offshore wind.
- Continue to attend MREC UK meetings to keep a global approach to SUT wind initiatives and maintain transparency between the regional SUT MREC branches.
- Continue to identify companies who can make presentations for topics of discussions in all branches of alternative energy. The goal being to educate the committee but also to identify opportunities to further expand with webinars and hybrid opportunities to present to industry at large. The goal being to educate industry but also to generate revenue for the SUT.
- Continue to meet at regular intervals as a committee. Keep the momentum and energy focus on alternatives energy options.

MREC US Updates

The Marine Renewables Committee (MREC) of SUT-US has been actively engaging the industry through a series of successful meetings held regularly from 2024 through 2025. These gatherings have featured a range of technical

US Branch

contd.

presentations, fostering knowledge exchange among a diverse group of industry professionals. Key organizations such as ABS, DNV, Chevron, Hess, and BP have been identified to contribute to future committee presentations and external webinars, further enriching the dialogue around marine renewable energy. Looking ahead, MREC is planning a fall webinar, potentially as a hybrid event. Steve Johnson continues to play a vital role in supporting MREC initiatives by delivering presentations at universities and facilitating meetings with industry stakeholders, helping to expand the committee's outreach and impact.

Marine Renewable Energy Roster

Chair Maria Ancheril – MREC
Vice Chair Steve Johnson
Secretary Roneet Das

Bill Berger
Carlos Avila
Damilola Abe
Deanna Hardgrave
George Kallenos
Grace Robertson
John Allen
Kristi Terrasa
Lars Samuelsson
Luz Zarate
Mark Hanningan
Mohamed F. Chouikha
Patricia Varela
Richard Barratt
Richard Knox
Ryan Beemer
Sam Guo
Simone Schmieder
Sola Komolafe
Steven MacDonald
Sudarshan Adhikari
Tricia Hill
Xiaoyan Long
Zack Westgate
Zemfire Azim

Educational Committee



Damilola Abe, Wood

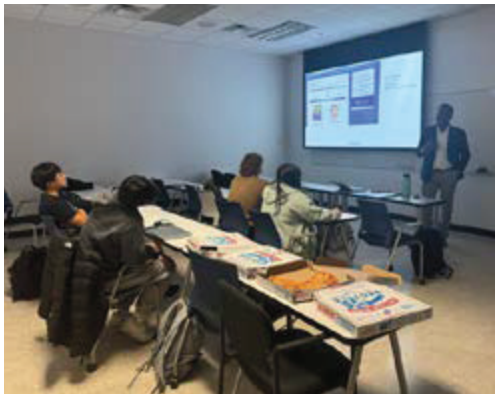
Since June, the SUT-US Education Committee has actively engaged with student chapters across Texas, fostering industry-academic collaboration and promoting innovation in energy. Our initiatives have included:

Seminars and Speaking Engagements

University of Texas at Austin Kickoff event

February 2025





US Branch

contd.

University of Texas at Austin: Hosted a seminar featuring Steve Johnson, who spoke on the future of renewable energy

March 2025

Texas A&M University – Galveston: Partnered with Fugro for a seminar focused on marine and geotechnical innovations

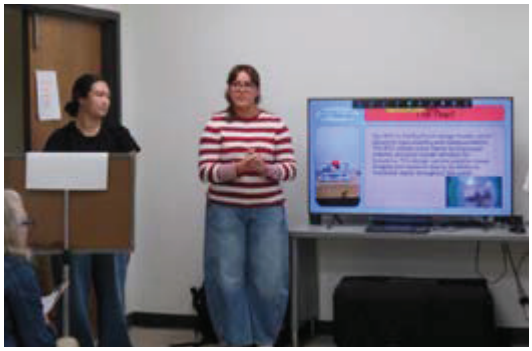
March 2025



Texas A&M University – College Station: Organized a robotics competition, encouraging hands-on learning and technical creativity among students

April 2025





Texas A&M University – College Station: Organized a robotics competition, encouraging hands-on learning and technical creativity among students

April 2025

Strategic Collaboration with the University of Houston

In partnership with the University of Houston's Energy Division, we are developing the Workforce of the Future – Energy and Innovation Conference. This initiative is guided by a clear mission and vision:

US Branch

contd.

Mission:

To bridge the gap between academia and industry by creating a vibrant platform where students, professionals, and companies converge to explore innovation, share knowledge, and build meaningful connections. Through engaging keynotes, interactive sessions, and networking opportunities, we aim to cultivate a future-ready energy workforce while empowering companies to showcase their technologies, elevate their brand, and unlock new business opportunities.

Vision:

- Inspire enthusiasm for energy careers among college students
- Attract top talent to the energy sector
- Foster collaboration among energy companies
- Equip the workforce of the future with essential skills
- Provide a platform for companies to showcase innovation and drive business growth

Participating Companies include Wood, NVIDIA, Chevron, TECQ, and others—demonstrating strong industry support and commitment to shaping the future of energy.

Educational committee roster:

Damilola Abe - Chair

Muhammet Cuneyt Sakonder – Vice Chair

Christopher Curran – Scholarship Chair

Andrew Tucker – Texas A&M University at Collage Station – Student Chapter Chair

Cole Robbins – Texas A&M University at Galveston – Student Chapter Chair

Mary Zhao – University of Texas at Austin – Student Chapter Chair

Sapna Budhrani – University of Houston – Student Chapter Chair

Olagoka Daramola – University of Mississippi – Student Chapter Chair

Maria Ancheril

Jan Van Smirren

Don Schlater

School Touring Committee

The School Touring Committee, led by Andrew Haigh, offers volunteers meaningful opportunities to inspire middle and high school students in Houston and surrounding areas by fostering interest in STEM. Volunteers contribute by sharing their career journeys, participating in classroom activities, and presenting on topics related to ocean, earth, and space sciences. Although the committee has been inactive since the onset of COVID, efforts are underway to revive the program for the upcoming year.

Scholarship Committee

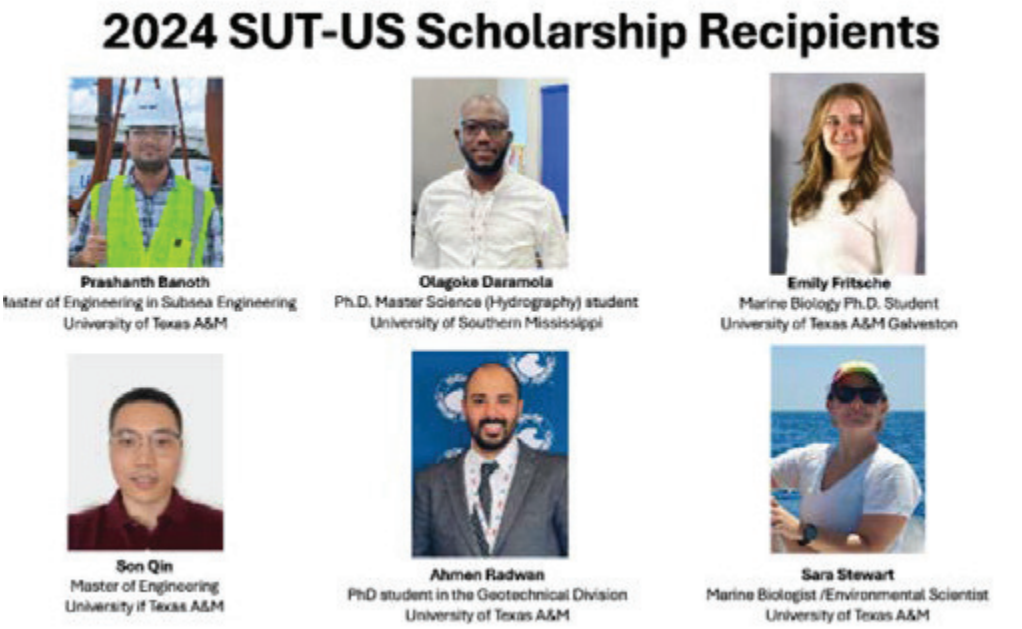
The Education Committee, chaired by Christopher Curran, is composed of six members and is responsible for reviewing SUT-US's annual scholarship applications.

The 2023 scholarship recipients were honored during the Scholarship Awards Ceremony held on September 8, 2023. The students selected by the Scholarships Subcommittee were:

US Branch

contd.

- Prashanth Banoth - Texas A&M University
- Olagoke Daramola- University of Southern Mississippi
- Emily Fritsche - Texas A&M University, Galveston
- Song Qin - Texas A&M University, College Station
- Ahmen Radwan - Texas A&M University, College Station
- Sara Stewart - Texas A&M University, College Station





US Branch

contd.






Women in Industry



Kaci Callagham

Serving as Chairperson for the SUT Women in Industry Committee has been an incredibly rewarding and energizing experience. This year, we've had the privilege of hosting two impactful events that reflect the strength and spirit of our community. In April, we welcomed Dr. Nefeli Moridis from NVIDIA as the keynote speaker for our event on AI in the energy sector—an inspiring session that brought powerful insight into the future of our industry. At our event in June, I was honored to be one of six panelists for our "5 Career Super-powers" event, where I spoke on the power of networking—a topic close to my heart. And we have another Lunch & Learn / Site Visit planned for October that will be engaging and insightful. These opportunities have truly challenged me in the best way possible and offered valuable growth both personally and professionally. Most importantly, being part of this committee has allowed me to build meaningful connections with like-minded peers and collaborate for a greater purpose. I deeply value SUT's mission and am especially proud to be part of the Women in Industry community—it's a space filled with passion, support, and shared ambition.

WIND Committee Roster

Chair Kaci Callahan
Amber Sturrock
Bia Carboni
Brianna Noris
Catalina Maldonado
Heather Cousson
Kim Faulk
Luz Zarate
Mariana Diaz
Melissa Gould
Patricia Varela
Patsy Rhymes
Sarah Truchard
Stephanie Ingle
Tina Drexler
Tricia Hill

US Branch

contd.

Young Professionals Committee



Roneet Das

From June 2024 to July 2025, the SUT Young Professionals (YP) Committee organized a diverse range of events aimed at technical knowledge sharing, professional development, and networking. We began with a technical talk on physical modeling for geotechnical engineering applications by Ed Clukey in summer 2024, followed by a trivia night hosted by Victoria Mant that brought together professionals from across the offshore community. Later in the year, Trevor King from NGI delivered an insightful technical talk on ground models for offshore infrastructure development. In January 2025, the committee hosted a popular whisky tasting event, fostering informal networking among members. We also partnered with the WIND (Women in Industry) committee to deliver two major events: an AI expert panel discussion featuring a keynote by Nefeli Moridis of Nvidia, and a career panel on the 5 career superpowers, both of which drew strong cross-industry participation.

Looking ahead, the 2026 calendar includes the 2025 Curran Lecture by Dr. Charles Aubeny from Texas A&M University with a guest lecture by Dr. Philippe Jeanjean from bp, as well as the return of trivia night hosted by Victoria Mant.

Young Professional Committee Roster

Chair Roneet Das	Damilola Abe	Sakonder
	Devvrat Singh Rathore	Patricia Varela
Ajay Shastri	Lisa Hill	Sola Komolafe
Carlos Avila	Muhammet Cuneyt	Victoria Mant

Quality Presentations

SUT-US Connect, Collaborate, Succeed! Young Professionals Networking Event - Trivia Night!

October 23rd, 2024





US Branch

contd.

SUT-US Connect, Collaborate, Succeed! Young Professionals Technical talk with Dr. Trevor King

November 20th, 2024







SUT-US Young Professionals present Whiskeys of the World! Moderator Roneet Das, NGI

February 6th, 2025









Reports from Commmittees of Council and Special Interest Groups



Education



Cheryl Burgess

Committee
Chair Cheryl Burgess

Education remains key to SUT's mission, vision, and charitable objectives as a Learned Society. Support for education comes directly from the Society's funds as well as in the provision of training with our expert subject matter presenters, the hosts of site visits and the dozens of knowledgeable volunteers internationally in organised events with structured learning, webinars, technical meetings, conferences, seminars and workshops; in addition to organising Ocean Career sessions at some supported exhibitions and university career days.

SUT's core training courses are: Subsea Awareness, Offshore Wind, OSIG and our updated Metocean for Renewable attract international delegates from all stages of their careers and continue to deliver both fundamentals and technical information to our delegates. The site visits during the Subsea Awareness Course, Offshore Wind Course and two-centre facilities used in Southampton make the SUT's training courses unique and a highlight experience to the course delegates. We are pleased to report these training courses are delivered to maximum delegate numbers per course throughout the year.

The Educational Support Fund goes from strength-to-strength and continues to attract applications from internation students pursuing degrees across underwater, subsea and marine science, technology and engineering.

The applications for ESF are of the highest standards. In each year, we note not only the quality of the applicants; but also their consideration for the careers they seek to have and the contributions they wish to make in their ocean and underwater career. Reading the applications we have seen new and evolving university degrees which cover underwater disciplines and are relevant to the SUT's sectors and special interest groups. Technology has progressed, moved forward since the ESF was started. So, our consideration of the university degrees by subjects, programmes and disciplines in the student applications will be updated as we look at the challenges of the future such as computer sciences and artificial intelligence. We thank all those volunteers who have generously devoted their time to reading the ESF applications.

SUT continues to organise and support Ocean Careers sessions at Ocean Business 2025 both SUT's Chair, Mike Fearn and CEO Cheryl Burgess were speakers. At Subsea Expo 2025 we held a Careers Clinic which saw a steady stream of students seeking advice on the SUT stand. We are already considering our Ocean Careers line-up of speakers at Oceanology International 2026. Women in Industry at Ocean Business: Defence, UXO, Marine Science provided speakers from across the membership and Special Interest Groups. SUT continues to promote careers by degree, apprenticeships, and vocational education such as with sector skills councils and City & Guilds.

SUT+ in Aberdeen continues to be active organising events on the road to Chartership with speakers from IChemE, IET, ICE, IMechE, and IMarEST as well as professional and social events. We would like to thank both University of Aberdeen and Robert Gordon University for their hosting SUT+ events, their SUT academic membership and encouraging students to become individual members of SUT.

The excellence of the universities which engage with SUT, faculties and students cannot be praised highly enough.

Education
contd.

The MASTs conference 2024 in Glasgow included SUT's Decommission and Wreck Removal day organised by the Decom and Salvage SIG engaged with hundreds of Scottish marine science/ engineering students.

The Education committee needs volunteers from our university members, academia, corporate members interested in continuing education for employees and individual members interested in education. Please contact info@sut.org to express your interest in joining this group.

Educational Support Fund Management



Cheryl Burgess

Committee
Chair Cheryl Burgess

The Society for Underwater Technology continues to support students through our Educational Support Fund. Each year we invite applications for scholarships which attract candidates from around the world. Unfortunately, the Society is not resourced to be able to award funding to everyone who applies. Eighteen applications were reviewed by the judges in the short-list from undergraduates, Masters and Doctoral students. The number and variety of applications challenged the judges to produce a top-ten, then selection of finalists in their consideration of the applicants inspirational expressions of the how they have come to study in the sectors of interest to SUT, their aspirations for the marine, underwater and subsea careers they hope to have, their academic references and the degree programmes the applicants were set to study,

The Educational Support Fund is a continued budget expenditure. We hope to be able to grow the number of awards we make each year. The Society thanks all those who donate funds for this purpose. Please contact CEO, Cheryl Burgess (cheryl.burgess@sut.org) or Jane Hinton (jane.hinton@sut.org) for more information on how to donate to the ESF and Bil Loth funds.

In 2024-2025 the Society was able to make three scholarship awards. The recipients of grants from the Educational Support Fund were:
Undergraduates:
David Stratford Devalba, University of Highlands and Islands and
Georgia Isley, University of East Anglia
Postgraduate - Varun Singh, University of Aberdeen

Graduating recipients from the 2024-2025 period include Vincentius Wijya, Postgraduate research project, PhD programme, Faculty of Engineering and Physical Sciences, University of Southampton. Vanda Czene, MSci degree in Marine Biology. Vanda was also one of our speakers at Ocean Business 2025. Our congratulations and best wishes to all the students who receive support from SUT's ESF. We look forward to the careers you will have in the future.

Students from all over the world are able to apply for the ESF scholarships annually. (Educational Support Fund | SUT | Society for Underwater Technology) In addition two of the SUT Branches operate their own scholarship schemes with USA Branch raising thousands of dollars of corporate sponsorship to support students at Texas universities where there are SUT Student Chapters. Perth (Australia) Branch also support scholarships.

International Training



David Saul

Committee
Chair David Saul

Cheryl Burgess
Colin Johnston
Leanne Geneve
Tricia Hill
Richard Luff
Bob MacDonald
David Newman
Ralph Rayner
Charlie Reith
Paul Ryan
Graham Whitehead

Over 2024/25 the SUT has continued to grow its existing training offer with multiple presentations of our subsea awareness course in Perth, Houston and Aberdeen. In the UK we have presented our now well-established offshore wind renewable and introduction to geophysics & geotechnical engineering courses. Also on the Geotech side we have held a webinar looking at Numerical Modelling of Long-Term Cyclic Loads on Offshore Monopiles.

Away from the UK, Perth has continued to offer a range of more specialist courses focussing on materials, corrosion, flexibles, positioning and survey.

A key differentiating element of the SUT training from others is the practical element this could site visits to supplier sites or university laboratory work. We can only do this with the exceptional continuing support of our member companies and supporters.

The international training committee has again met 3 times over the year providing going input to the SUTs strategic review and looking at the SUT can support future industry training needs. We continue to look at opportunities to expand our training offer across our branch network

Finally, a big shout out to all our volunteers who present, build and work to keep course content relevant.

International

As a global society, SUT has members from more than 40 countries, including individual and corporate members.

There are 12 Branches: 3 in the UK: Aberdeen, London and the SouthEast, North of England in addition to our Branches in Australia (Perth), Brazil, China, East Mediterranean (Cyprus), Malaysia (Kuala Lumpur), Middle East (UAE), Norway, Singapore, USA (Houston). The Branches outside the UK are a mixture of those established as independent legal entities operating under the laws and practices of their respective countries and those operating without the formality of an independent legal entity. But all operating in accordance with SUT's Articles of Association and sharing SUT's charitable purposes with central services for SUT provided by UK staff including administration of SUT's website, membership subscription, production of SUT's newsletter, Big Blue World. The Branches in Perth and Houston both employ their own locally employed staff to assist with SUT events, training courses and activities in their regions.

This committee aims to meet biannually with not only the Branch Chairs as committee participants, the current committee Chair being but also the CEO, and Honorary Secretary, with SUT Chair and Past Presidents as interested or required. As part of SUT's Strategic Review, the governance and operations of Branches will be reviewed, with and this committee will be renamed in 2025-2026.

As a global Society, I would urge all members to get involved with their nearest Branch. And where there is currently no Branch, consider the opportunity for virtual meetings, as well as meetings at international conferences and exhibitions. We rely on you, our members to help the Society deliver the training our sectors require for the future, the areas that will continue to be of interest and concern to SUT members and the wider industries, provide benefits to the members while we look to the future and how the ocean science, underwater technology and subsea engineering around the world.



Steve Hall

Committee

Chair Steve Hall

SUT Chair Sue John
Former SUT Chair David Saul
Former Chair China Branch Frank Lim
SUT CEO Cheryl Burgess
Chair Perth Branch Brett Phillips
Chair/President USA Branch Tricia Hill
Richard Binks
Jim Neffgen

Ad-hoc membership – other Branch Chairs when available to attend meetings

Policy Advisory



Cheryl Burgess

Committee
Chair Cheryl Burgess

The SUT Policy Advisory Committee has been quiet through the year against changes in the UK government, policies, needing new committee members, deliberating on engagement and delivery in the future and learning more about how special interest groups receive news of from government departments, Parliamentary committees and comments or input on White Papers.

This year the Register Of All-Party Parliamentary Groups has seen changes in both Country (and regional) Groups as well as the Subject Groups.

The SUT continues to support and participate in Science in Parliament group and has requested engagement in the meetings and activities of the APPG for the Ocean. Renewable and Sustainable Energy has its own APPG. While there is potential for SUT to get involved in Carbon Capture, Utilisation and Storage, Climate Change, Climate, Nature and Security, Energy Studies, Engineering, Environment, Hydrogen, Net Zero and more, engagement is constrained by time and interests of volunteers.

Nonetheless, the Society's Learned Society status, expertise and focus of SUT's special interest groups means the SUT is uniquely placed to provide a voice from our members and industry sectors to inform and educate policy makers about the challenges, issues, solutions, innovations, research, aspects and state of the art underwater technology, marine science, and subsea engineering currently available and in development for future use during the coming decades.

If members are interested in joining the Policy Committee in 2025, please contact info@sut.org.

Diving and Crewed Submersibles

No Report Submitted



Martin Sayer

Committee
Chair Martin Sayer

Neil Brock
Mark Caney
Bob Cole
Taira Caton
Paul Evans
Oliver Firth
Steve Hall
Garry Momber
Bob Pirie
Mark Renfou
Roland Rogers
Don Shires
Jolene Towne

Environmental Forces



Professor Thomas Adcock

Committee
Chair Prof T Adcock
Secretary Prof S Yan

R Addlesee
Dr R Ahilan
Prof N Barltrop
Dr WJD Bateman
Prof PW Bearman
F Beiboer
Dr M Birkinshaw
Dr E Buldakov
D Carter
Prof DM Causon
Prof JR Chaplin
Dr M Christou
RL Davies
Dr KR Drake
Prof R Eatock Taylor
AJ Fyfe
Dr R Gibson
Prof D Greaves
G Grewal
Dr J Hamilton
Dr G Jeans
M Johnson
I Leggett
Dr A Raby
Dr R Sheikh
Dr E Spentza
Dr J Spinneken
R Sproson
Dr R Standing
Prof P Stansby
Prof C Swan
Prof P Taylor
Dr P Tromans
T van den Bremer
A Watson
W Tan
R Webb
Dr G Weymouth
Dr J Zang

The SUTGEF group continued with its pattern of triannual meetings with each meeting having two guest speakers—aiming for one from industry and one from academia. Meetings are hybrid and there is typically as large a presence online as in person. Total attendance is usually 30 to 40 persons.

At the moment the meetings are focussed on the south-east with the regular meeting venues being London and Oxford. We have discussed diversifying the meeting locations with Glasgow, Manchester and Plymouth being suggested as possible locations.

The meetings this year have been:

129th meeting — September 2024 — City University, London
Prof Paul Taylor, University of Western Australia: Ice Road Truckers – an example of fluid-structure interaction
Dr Li Ma, Imperial College, London: Wave-in-deck loading: its nature, prediction and a review of the present design practice

130th meeting — January 2025 — St Peter's College, Oxford
Michael Johnson, Lloyd's Register: Ocean Waves for Ship Design: IACS Recommendation No.34
Prof Ben Rogers, University of Manchester: Smoothed Particle Hydrodynamics (SPH) for free-surface flows: in search of freedom or folly?

131st meeting — May 2025 — Imperial College, London
Allen Nick, Saipem: The Application of Machine Learning to Predict the Fatigue Performance of Floating Wind Turbine Foundations
Prof Jun Zang, University of Bath

Marine Environmental Science


Katie Cross

The MES SIG has held meetings approximately every quarter over the last 12 months, 2 of which have been hybrid events (Joint SIG meeting in December, London, and ERM's office, Norwich in June). The June SIG meeting was followed by a social event in Norwich. I would like to take this opportunity to thank ERM for allowing us to use their office space.

We have welcomed a number of speakers, both external and members, to our meetings covering topics including:

- Understanding the impacts of EMF in the marine environment;
- The as built register of wind farms;
- Noise abatement technologies for offshore wind piling;
- The Crown Estate's Marine Delivery Roadmap;
- The impact of nutrient limitation on eight reef coral species.

Similarly to last year, the committee is looking forward to the next 12 months we will continue to hold meetings every quarter, with the aim of at least every other of these events being hybrid. Along with the UXO SIG and OSIG SIG we are having an exciting joint in person event in December, in London, which will also include dinner!

We are continuing to grow our membership with new people attending every meeting. Key moving forward is to ensure that these new members continue to attend meetings, and for all members to become actively involved in the SIG. Targets are still to encourage regulators and operators to join us. I am hoping that as some members are now ex. operators/regulators we may be able to encourage a wider network to join the SIG.

Chair Katie Cross
Secretary Lucy Shuff
Communications lead Emily Kane

Ainslie Casson
Andy Matkin
Bethan Owens
Cheryl Burgess
Chris Comyn
Corinne Buckmaster
Daisy Chamberlain
Edward Wort
Emily Boddy
Emily Burnett
Gary Nicol
Gordon Watson
Hannah Tilley
Inge Smith
Izzy Rundle
Jackie Smith
James Harding
Jane Hinton
Judith Patten
Katie Cross
Kevin Black
Lauren Jones
Liam Fernand
Megan Richardson
Mick Cook
Nathan Formosa
Nicola Harris
Oscar Ward
Rebecca Walker
Ryan Mowat
Sam Strutton
Samuel Stanton
Sue John
Lucy Shuff
Vanda Czene
Rach Eyley-Roberts
Emma Butterwick
Heidi Etter

Marine Renewable Energies



John Sharp

Committee
Chair Prof J Sharp
Clerk E Boddy

M Ancheril
D Ayling
D Brookes
J Colby
P Fraenkel
S George
J Griffiths
J Hulm
D Kerr
Dr S Merry
Dr R Norman
J Patten MBE
G Plant
A Smith
S Wilson
M Wright
I Wylie

The last year has been busy with four on-line meetings, each with an expert speaker. These have included Duncan Ayling (Crown Estate), Oliver Wragg (Orbital Marine Power), Lee Richards (Supergen ORE), Carolyn McPhee (Crown Estate Scotland). One of the great advantages of the on-line format is that members of other SUT technical groups can be invited to join for the presentation, which has proved successful.

The work of the recently formed UK Marine Energy Taskforce is important for the committee as it is developing a roadmap to realise the UK's marine energy potential. https://www.thecrownestate.co.uk/news/new-marine-energy-taskforce-launched-with-backing-from-the-crown-estate-and-crown-estate-scotland

Recognising the importance of skills development in marine renewable technology, the committee has now made training opportunities a standing agenda item with regular reports on the topic.

Our continued active involvement with both the US MREC committee and the Perth Renewable Energy committee has proved both interesting and valuable reflecting the international nature of the topic.

As mentioned in the last annual report floating solar is growing in interest and its progress in reported on at each meeting.

Offshore wind power is becoming an area of increasing interest, a dedicated SIG for this area is being considered.

The Lennard-Senior prize for 2024 which is voted on by members of the committee was presented at the All-Energy event in Glasgow in May and was awarded to Jonathan Colby, who is a regular contributor to meetings. His energy and dedication were instrumental in the success of Verdant Power's Roosevelt Island Tidal Energy Project - the first commercially licensed tidal power project in the United States (https://verdantpower.com/RITE/). His leadership as Chair of the IEC Technical Committee for Marine Energy, developing international standards that support the global growth of the industry was also an important factor in his award of the prize.

Offshore Site Investigation and Geotechnics

The past twelve months (1 July 2024 to 30 June 2025) have been very active for the OSIG SIG. We've been busy with events, planning which has included the start of our flagship international conference planning for 2027 and a name change which reflects how the membership has grown and diversified.

We started the year (and my time as Chair) with three objectives – move meeting locations, raise profile and co-ordination with other SIG's. The meeting locations have been linked with events and the Geoforum evening format works really well, they're a combination of talks and networking and we generally have 100 people attending. We've held these in Bristol and Newcastle and OSIG members have spoken at the Aberdeen Branch monthly evening events which are similar to the Geoforum format. We're liaising with other SIG's to co-ordinate events and an online talk series which has moved talks away from the SIG quarterly meetings to widen the audience.

Darren, Benedict, Maryam, Dirk and Sophie have done a fantastic job of raising our profile by creating an SUT OSIG LinkedIn group and at the time of writing there were 1271 members. Engagement is increasing and we're aiming to pull more members into the SIG and to join SUT.

A working group has been set-up looking into creating a pack of material that can be used by OSIG members going into schools to encourage children to consider study and then careers in geoscience. This could be expanded to include Universities and potentially could be used in events. SIG members have also been liaising with other working groups across the industry and we hope to see these rolled out soon.

The other overarching objective was to update the SIG name to reflect our membership and the diversity and integration of the disciplines in the industries we work in. Through various discussions, we've landed on Offshore Site Investigation and Geophysics, Geoscience and Geotechnics.
We're looking forward to more collaborations in the year ahead with the other SUT branches and SIG's, and with OSIG US, OSIGp and with ECOSIGG.



Karen Dalton

Committee
Chair Karen Dalton
Secretary Tim Carrington
Alasdair Maconochie
Darren Burbury
Mick Cook
Neil Morgan
Toby Powell
Simon Oakley
Andy Barwise
Roi Soage Santos



Meetings Held and Presentations Received

We aim to hold OSIG SIG meetings alongside other events to encourage and enable in person attendees wherever possible as well as online.

18 September 2024 online and in person in Newcastle ahead of the NW Geoforum.
05 December 2024, online and in person in London as a joint SIG meeting ahead of the SUT AGM and followed by an OSIG dinner. This was really successful and we're looking forward to doing this again in December.
02 April 2025, online only.
26 June 2025, in person at Bristol University and online, coinciding with the SW Geoforum.

Offshore Site Investigation and Geotechnics

contd.

Events and courses contributed to/held

The NE Geoforum was held in Newcastle in September 2024, we had 90 attendees, it was a really well supported and attended event with a great line up of speakers in The Common Room of Neville Hall, which was the home of the North of England Institute of Mining and Mechanical Engineers.

A joint meeting with other special interest groups coinciding with the SUT AGM in December 2024 and the all important Christmas curry.

We were thrilled to be part of the Aberdeen SUT branch monthly evening series in March. We had two OSIG speakers on Key Insights and Lessons Learned on Site Investigations for Offshore Floating Wind Developments.

A two-day short course "An Introduction to Offshore Geophysics and Geotechnical Engineering" was held in May 2025 at the University of Southampton and was a sell-out with a waiting list (43 places). The popularity of this course is testament to the hard work of the organisers and speakers.

A one day "Introduction to Offshore Geophysics and Geotechnical Engineering" aimed at master's students, that was organised in conjunction with and held at Imperial College in June 2025. This includes an introduction to careers in offshore industry and attended by c. 200 students.

The SW Geoforum held at Bristol University in June was attended by 75 people. This was held again in another historic location in the Wills Memorial Building of Bristol University which houses the School of Earth Sciences.

Membership (95 inc committee, 16% female)

Aggie Georgiopoulou
Aime Harrison
Alex Searle
Alexander Smith
Alice Maynard
Alice Ridgway Hill
Alice Roux
Ana Ivanovic
Andrea Diambra
Andrew Benson
Andrew Deeks
Andrew Kirkland
Anna Wolowicz-trouwborst
Arran Armstrong
Avi Shonberg
Bambang Sampurno
Brian Bell
Chris Almond
Chris Martin
Chris Smith
Dafydd Lloydjones
Daniel Sumner
David Colliard
David Donaghy
David Rushton
David White
Dei Huws
Ed Self
Eric Cauquil
Felix Schroeder
Francesca Ciavaglia
Gareth Carter
Gareth Ellery
Gareth Wood
Giorgio Giuliani
Helen Dingle
Jim Edmunds
Jim Pyrah
John Arthur
John Davidson
Joseph Hine
Julian Dix
Kevin Black
Kevin Hampson
Kirstin Johnson
Maarten Vanneste
Majid Hesar
Mark Finch
Mark Lawrence
Mick Cousins
Mike Baker
Mike Brown
Mike Fearn
Nick Jones
Nigel Carey
Olivier Poudens
Oyvind Ruden
Paul Baggaley
Paul Stock
Peter Allan
Peter Larkin
Phil Durrant
Phil Edwards
Phil Wilson
Ray Hobbs
Ricardo Argiolas
Rich Metters
Richard Jardine
Richard Orren
Rupert Rowland .
Sarah Elkhatib
Scott Whyte
Simon Hviid
Simona Caruso
Stelios Panayides
Suzanne Lacasse
Thejesh Kumar Garala
Thomas Darnell
Tom Lunne
Tom Perry
Victor Terente
Vincent Latron
William Cleverly
William Hodson
Wouter Zuijderduijn

Offshore Site Investigation and Geotechnics

contd.





Coming year.....

We have moved away from having technical presentations alongside the SIG quarterly meetings as we link these to evening events. We're now planning monthly online technical presentations in conjunction with ECOSIGG and hope to collaborate with other SIG's once we get up and running.

The highly successful Joint meeting with other SIG's to coincide with the SUT AGM, and the (all important) Christmas meal is planned again for December (4th) 2025.

The SW Geoforum planning has started and is potentially moving to March 2026.
Planning is also underway for the next "An Introduction to Offshore Geophysics, Geoscience and Geotechnical Engineering" to be held in Southampton in May 2026.

The short course at Imperial College will again be run in June 2026.

The Conference Committee and sub committee's are in full swing working on the organisation of the 2027 conference to be held in September at Central Hall in Westminster.

Early stage planning has started on a floating wind event, a meeting series and other potential collaborations for events.

Awards/scholarships given

Nominations are open for the 2025 Mick Cook award.

Salvage and Decommissioning



Moya Crawford

No Report Submitted

Committee

Chair Moya Crawford
Chair Abigail Davies
Former Chair Karen Seath
SUT CEO Cheryl Burgess

Vidar Åhjem
Eliana Mercy Araujo
Felicity Arthur
John Baxter
Alison Brand
Simon Burney
Kevin Campbell
Sarah Canning
Andrew Chamberlain
Nick Donnelly
Arnstein Eknes
Jim Elliott
Mike Elliot
Kate Gormley
Lee Hanlon
Becky Hitchin
Hannah Hood
Mark James
Nigel James

Tony Laing
Mark Lawrence
Hannah Lawson
Andy Liddell
Andy Matkin
Thomas Miller
Joel Mills
Peter Oliver
Kilian Palop
David Paterson
Bill Ritchie
Murray Roberts
Sally Rouse
Erin Sherratt
Mark Shields
Dan Stewart
Simon Swallow
Win Thornton
Tom Walters
Martin Watts

International Underwater Vehicles and Robotics Group

Underwater robotics continue to have global interest across multiple sectors and disciplines. The SUT/ECOR Panel on Underwater Robotics has international membership, online meetings and communications.
The field underwater robotics continues to feature in conferences and exhibitions around the world as both a single focus subject as well as in technical sessions, providing meeting points for SUT members to showcase technology and contribute to the discussions on current innovations in robotics and autonomous vehicles as well as challenges in the field.

The Gwyn Griffiths Underwater Robotics Award (GGURA) is bestowed by the Panel recognising individual's under-40, early to mid-stages of their careers who have made outstanding contributions in the field of underwater robotics. Open to all, by nomination or application we thank Gwyn Griffiths for both his sponsorship of this Award and his on-going participation in the Panel.

The 2024 GGURA winner was Jonas Wust of Tethys Robotics in Switzerland. Those who served on the selection committee faced a difficult choice with the quality of the nominees and their career achievements thus far. Terry Sloane said, 'Anyone who can get an AUV to navigate in a river deserves an award.'

Robotics, uncrewed submersibles and autonomous systems seem to be the buzz-words everywhere with ever growing applications and fundamental to remote and deep water operations and applications.
Across SUT's Branches robotics have featured in technical presentations and meeting in Aberdeen and Perth, as well as in global exhibitions and conferences.

The panel announced their wish to create pre-recorded lectures on underwater robotics linking to the focus topics for the Panel and the other SUT Special Interest Groups which have robotics as an area of interest. Members interested in participating in this initiative should contact SUT centre.

Members are invited to contact SUT Centre, info@sut.org to express their interest in joining the Underwater Robotics Panel or contributing our recorded lectures and presentations and demonstrations initiative.



Neil Bose

Committee
Former Chair Neil Bose

Luke Alden
Mario Brito
Cheryl Burgess
Brian Claus
Nathan Ehrenholz
Shuangshuang Fan
Alex Forrest
Gwyn Griffiths
David Hopkin
Alex Johnson
Chris Kaminski
Bill Kirkwood
Florie Mancel
Richard Mills
Alex Phillips
Supun Randeni
Rolly Rogers
João Sousa
Ivan Stenius
Bo Thanyamanta
Maxine von Eye
Anna Wahlin
Bungy Williams
Jingjing Xu
Wen Xu
Yanwu Zhang
Fumin Zhang
Ting Zou
Mingxi Zhou

Unexploded Ordnance (UXO)



Mick Cook

Committee
Chair Mick Cook
Events Secretary
Dorthe Reng Erbs-Hansen

Andy Barwise
Kevin Clements
Eric Cauquil
Sally-Ann David
Anja Drews
Michael Hahn
Lucy Malou Henningsen
Christian Herrisson
Richard Hill
Simon Hviid
Deanne Hargrave
Benoit Jouy
Rasmus Juncher
Andrew Kirkland
Robert Koens
Matthew Le Maitre
Eoin McGregor
Julian Osborne
Dave Sharp
Frank Steinhoff
Soren Stricker Mathiasen
Wolfgang Thiessen
Annelies Vanstraelen
Helge Vosberg

At the time of writing this report the UXO SIG has now been functioning for almost 4 years. The primary purpose of the SIG is still as it was when first set up: to identify and to address marine UXO issues within the offshore wind sector and to seek to provide guidance and education to practitioners.

Throughout its existence, membership has been confined to offshore windfarm developers and representation includes some 15+ organisations. However, as time moves on members' move companies and membership now extends to other organisations including consultants and contractors.

The SIG is very much an international group including representatives from the UK, USA, Norway, Denmark, Germany, France, and The Netherlands, but we are always looking to expand our geographical reach; particularly in South East Asia.

The UXO SIG meets quarterly with the ambition of holding two meetings online and two face to face. In December 2024 we held a successful f-f meeting at The Thistle Hotel just off Oxford Street in London. This was the inaugural joint SIG meeting involving OSIG, ECOSIGG and MES SIGs. The event was combined with the SUT's AGM and was attended by 50+ delegates including a significant number of UXO SIG members from the UK, Europe and the USA. Further, we held a face to face/hybrid meeting alongside the Ocean Business exhibition and conference in Southampton in April 2025.

In January 2024, we began preparation of Guidance Notes for UXO in offshore wind and convened a sub-committee to produce these. Good progress has been made in preparing these Guidance Notes and we took the opportunity at the meeting in Southampton to begin to finalise the Notes for wider industry circulation for comment/input. At the time of writing this report we have just completed the Final Draft of the document. We intend circulating this to a selection of Warranty Surveyors initially for comment prior to circulating to the wider industry for comment.

On completion of the Guidance Notes, we intend to open up membership of the UXO SIG to the wider industry; hopefully in early 2026.

Should you have any questions about the business of the UXO SIG, please do not hesitate to contact me: mick@mickcook.com

Women in Industry

This new special interest group is a forum for women engineers, scientists, technologists, and others working in the subsea and wider marine sector to share insights from their experience working in the industry.

Women in Industry was started due to the feedback and comment made to then Chair, Sue John and CEO, Cheryl Burgess at Oceanology International 2024 at the end of this SUT Show Floor Theatre session. Our speakers for this Oi session were: Sue John, Ila Glennie, BP, Phobe Lipp, Arup, Katie Cross, ERM and Bukola Otekalu, Oceaneering.

In 2025 SUT held a session at Ocean Business 2025 in Southampton at the National Oceanographic Centre. Our featured speakers Claire Budden, Deputy Director Navy Commercial, MoD, Catherine Jennings, SMI, Dorthe Erbs Hansen, Ceridwen, Vanda Czene, University of Southampton. This session required pre-registration and was held in a separate NOC room. Maximum delegate capacity was reached as women, and men, talked about career paths, experience, equality, diversity and inclusion across the marine, underwater and subsea industry.

Women in Industry will be holding a Show Floor session in the Oceans Future Theatre at Oceanology International 2026 in London.

If you would like to join this Special Interest Group please contact Cheryl Burgess – cheryl.burgess@sut.org



Cheryl Burgess

Committee

Chair Cheryl Burgess

Society for Underwater Technology (The)
Report and Financial Statements
for the year ended 30 June 2025

Company Number 00932590
Registered Charity 256659
Scottish Charity Number: SC043942

Society for Underwater Technology (The)
Financial Statements for the year ended
30 June 2025

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Society for Underwater Technology (The)
Financial Statements for the year ended
30 June 2025

Legal and Administrative Information

The Council Members, who are the Trustees for the purpose of Charity Law, and also the Directors and Members for the purpose of Company Law, present their Report together with the Financial Statements for the year ended 30 June 2025.

President:	B Sykes
Chair and Vice President:	M Fearn
Hon Treasurer:	G Schultz
Hon Secretary:	D Brookes
Chief Executive (CEO):	C A Burgess
Registered Office:	2-4 Packhorse Road, Gerrards Cross, Buckinghamshire, England. SL9 7QE
Registered Charity:	256659
Company Number:	00932590
Independent Examiner:	Nunn Hayward LLP 2-4 Packhorse Road Gerrards Cross Buckinghamshire SL9 7QE
Principal Bankers:	Barclays Bank plc and Bank of Scotland plc
Solicitors:	Gordons Partnership 22 Great James Street London WC1N 3ES

Society for Underwater Technology (The)
Chair's Report
30 June 2025

Currently ten months into my term as elected Chair of Council within the Society of Underwater Technology (SUT) organisation, I am blown away by the dedication of the SUT staff, volunteers and Board members, who work effortlessly behind the scenes to ensure the ongoing success we have now and moving forward.

In 2025 alone at the point of writing we have conducted 5 training courses in the UK including Subsea Awareness, Introduction to Offshore Wind, Offshore Site Investigations Fundamentals, 19 technical meetings, participated in 4 conferences and 2 social events along with the various publications of BIG Blue World. On top of these we have held regular Special Interest Group Meetings such as MES, OSIG, UXO, MREC, Diving and crewed submersibles and the newly reformed Robotics SIG.

We have also taken the steps to refresh the image of the SUT and coming later this year will be the new & fresh SUT website in collaboration with our branches with a focus on our many Special Interest Group which any member of the SUT is invited to join and participate in. As a matter of fact, I strongly encourage member participation in SIGs to keep up to the latest developments, technologies and engage with a full breadth of industry experts.

Finance and Accounts
The SUT Council budget for 2025-26 has been finalised and approved by Council. As a charity, the SUT's budget is set with modest expectations on creating income surplus and ever mindful of control on expenditures and overheads in the running of the Society.

The 10th OSIG conference will be happening in London in September 2027. This event has previously generated significant surplus following the event for the SUT and will be open for registration before the end of 2025. The work on the OSIG 2027 is underway and the Society has secured Central Westminster Hall as the venue, the deposit for which is classified under prepayments in note 16 to the accounts.

The 2024-25 accounts reflect a strong performance of SUT training courses including Subsea Awareness and Offshore Wind courses all contributing to the Society's surplus in addition to stable membership numbers, donations for specific awards, budget lines for continued support for SUT's Educational Support Fund (ESF). The SUT remains able to support our charitable endeavours, on-going commitments and funds in savings and investments for SUTs sustainability and future initiatives. The SOFA page 2-8 in the accounts shows a small surplus before accounting for the unrealised loss of £10,264 on the investments held at the balance sheet date. At 23 October 2025 the investments had recovered £3,358 of that lost market value.

Conferences
One of the core capabilities of engaging with existing and new members is the presence at conferences globally with the thanks to our Branches and team within the UK.

So far this year we have had a stand at Subsea Expo, Ocean Business, All Energy and Offshore Europe where the team have received increased interest from the industry about where SUT could support, the training courses along with the advantages of our Special Interest Groups, which surprise me are still relatively unknown to a lot of people including our members. In November 2025, the Middle East Branch will be present at ADIPEC in the UAE. In 2026 we are looking ahead to Subsea Expo, Oceanology International and All-Energy.

Other conferences attended have been events like IPF and OTC (Offshore Technology Conference) where people would have seen Andy Hill (SUT-US, Houston Branch Chair) and myself engaging with the industry on the benefits of the SUT. Dave Brookes and Benj Sykes attended Global Offshore Wind in London.

The OSIG conference committee has already started planning for the next OSIG conference in London 2027 supported by the SUT centre team.

More conferences and events are planned and will be available on the website www.sut.org

Educational Support
An ever increasing number of applications are received from students around the world pursuing academic degrees in the disciplines covered by SUT: underwater, marine and subsea science, technology, engineering. The applicants are passionate about their interests and the aspirations for the future. A report on SUT's education activities and grants given to students appears in the Annual Report.

Awards
The Awards report lists SUT Awards bestowed during 2024–2025 financial year, is also included in the Annual Report.

A list of Fellows elected by SUT Council are included in the Awards Report. The SUT Awards include: The Lennard Senior Memorial Prize, The President's Award, The Captain Don Walsh Award for Ocean Exploration

(joint with MTS), The Mick Cook Marine Site Investigations Award, The Gwyn Griffiths Underwater Robotics Award (for those under 40), SUT Prize for Outstanding Underwater Engineering Project, University of Aberdeen.

Note 8 in the Accounts relates to the Awards.

Communications

Currently our Underwater Technology Podcast is on a hiatus with new episodes but all previous episodes are still available and worth a play back if you haven't listened before. I want to thank Martin Stemp for all his commitments in delivering these episodes voluntarily and the interest in underwater technology, marine science and subsea engineering.

As a reminder, all SUT members have access to our quarterly newsletter *Big Blue World* as well as *UT2* and *Underwater Robotics* magazines. We strongly encourage all members to contribute any news, articles on innovation, updates or thought pieces for inclusion into the magazines. SUT members are also able to submit articles to the MTS journal.

A big welcome to all our new starts this year including Clare Parisi, Katie Fearon, Julie Callaghan and Michelle Jones who will be working alongside our current team, Cheryl Burgess and Jane Hinton, to continue to deliver the training courses, SIG support and conferences globally for the SUT & all its volunteers.

On behalf of all the SUT members and the teams, I would like to congratulate our very own Emily Boddy and her husband for welcoming their first child to their family this year. Emily, Publications and Communications Officer, went on maternity leave in April 2025. We look forward to Emily's return in 2026 when her maternity leave concludes.

Lastly, I would like to thank all of those who volunteer for the SUT on Exec, Council, in Branches, Affiliates and Special Interest Groups. We appreciate all that you do.

Thank you to everyone involved in making the SUT a success and here is to the growth and success of SUT as we enter our milestone 60th year.

Mike Fearn
Chair and Vice President
30 October 2025

STRUCTURE, GOVERNANCE AND MANAGEMENT

The Society's governing document is the Memorandum and Articles of Association and its full name is the Society for Underwater Technology Limited. The Society is a registered company limited by guarantee and a registered charity.

Council Members and their Interests
The Members serving on the Council throughout the year were as follows:

S V Duffield	B J Sykes	S F John (resigned 5 December 2024)
J Patten	G J Whitehead	M Crawford (resigned 24 October 2024)
Dr J Morgan	D A Brookes (appointed 24 October 2024)	
Prof R F Rayner	G S Schultz (appointed 24 October 2024)	
T H A Sloane	I R Wylie (appointed 5 December 2024)	
M M Stemp	M J Fearn (appointed 5 December 2024)	

None of the Members of the Council has any financial interest in the Society that requires disclosure under the Companies Act 2006. For Related Party transactions please see notes 11 and 20.

Council Members are appointed for three years by a ballot among members of the Society (members comprising the classes of Fellow, Individual Member and Corporate Member) and are drawn from among these Members. Candidates must be proposed and seconded by any two other Members. Ballot forms must be sent to Members twenty-eight days before the election, which is by simple majority, and this shall take place seven days before the Annual General Meeting. Those elected shall hold office from the conclusion of this Annual General Meeting. At the end of three years, a Council Member may stand for re-election, but no Member of Council may serve for more than six consecutive years.

New Council Members are not provided with a formal induction pack following their election but are briefed verbally at the first meeting.

Organisational Structure
A Board of Trustees (The Council) of up to or similar to 18 members, who meet quarterly, administer the Society. A Chief Executive (CEO), who's not a trustee, is appointed by The Council to manage the day-to-day operations of the Society.

Branches of the Society are established under the authority of Council in accordance with the Memorandum and Articles of the Society. They will have their own organising committee with elected officers.

The results of branches of the Society whereby the UK charity either has control, or the branch is not deemed to be administratively autonomous are consolidated in the Financial Statements.

Details of remuneration of key management personnel are disclosed in note 11. Remuneration levels for key management personnel and other employees are set by the Executive Committee, whose members are set out on page 1. The overall gross salary allowance as presented in the budget is then ratified by the full Council.

OBJECTIVES AND ACTIVITIES

The Society is principally engaged in the promotion of awareness in all aspects related to underwater technology. Its Mission and Strategic Vision are described as follows:

Mission
Supporting global individual and corporate membership through a network of branches and special interest groups. Facilitating information and knowledge exchange through online communications, training courses, conferences, exhibitions, workshops, publications, guidance documents, and social engagements with a particular focus on attracting and developing the careers of the next generation of ocean technologists, engineers and scientists.

Strategic Vision
To be the leading internationally recognised not-for-profit learned society facilitating the exchange of technological, engineering and scientific knowledge and best practice in support of the sustainable safe and efficient development and use of the ocean and ocean resources, while protecting ocean health, culture and heritage.

Public Benefit
In keeping with the Charity Commission's key principles that there must be an identifiable benefit to the public or a section of the public, the Society has undertaken the following activities during this financial year:

- It has supported 6 students, 4 undergraduates, 1 Masters and 1 Doctoral on relevant courses at a total cost of £10,000 (2024: £8,500).

- Provided free of charge, to both members and non-members, the most highly acclaimed on-line magazine in the field of underwater technology and sub-sea engineering, entitled UT^3.

- The Society provides both free and chargeable lectures, webinars and technical event programmes for the public and non-members. Again, in 2024 it has not been possible to deliver the Christmas lecture in person because of a lack of sponsorship in the local groups and the workload around the Society's September attendance at conferences such as Offshore Europe and its Subsea Awareness Courses. The Society is exploring developing online lectures for schools and events with schools timed at other points in the academic year, other than at Christmas, and developing these programmes with other like-minded bodies, associations and charities. In addition, the Society has donated volumes of its *Can a Lobster be an Archaeologist?* to schools in Hampshire and Aberdeenshire.

- Provided high quality subsidised training courses for industry.

Grant Making Policy
Grants are awarded to high-quality students at either undergraduate or postgraduate (one-year taught MSc) level undertaking courses relevant to the area of interest of the Society with the aim of encouraging more entrants to the marine disciplines.

STRATEGIC REPORT

Achievements and Performance
We have referred to the guidance contained in the Charity Commission's general guidance on public benefit when reviewing our aims and objectives and in planning our future activities.

The Unrestricted Funds of the Society were increased by £409 after allowing for £10,264 in losses on investments and £11,400 expended for grants and awards. Please also refer to the Chair's Report.

Financial Review

Reserves Policy
Free reserves are established and reviewed to ensure that the Society retains a level of funds to meet its forward obligations and to ensure it can reasonably maintain a level of service in line with its objectives. The Council Members consider this to be approximately 50% of average annual expected expenditure.

Educational Support Fund
At events organised by the Society collections are taken-up in favour of the 'Educational Support Fund' which was a historic fund, now expended, used to pay grants to under and post graduates. All monies collected in the name of this fund during a given year are fully expended on grants made within that financial year and, therefore, there is no balance sheet reserve in this name.

Investments
There are no formal restrictions on the investments made by the Society.

Plans for Future Periods
Please refer to the Chair's Report for future plans and developments.

Principal Risks and Uncertainties
The Council Members actively review the major risks which the charity faces and confirm that they have established systems to mitigate the significant risks.

Operational Risk
These systems are being put into a more formalised structure and are designed to reduce the likelihood of the risk and to lessen the impact on the Society should those risks materialise. Key risks at present are assessed as being associated with the Society's necessary global expansion and the concomitant development of IT structures to support this. However, no reason is seen to amend further the Reserves Policy as detailed above.

Principal Risks and Uncertainties continued

Financial Risk

The Members remain cautious in terms of the Society's investment strategy and are satisfied they have taken appropriate steps to ensure that reserves are not placed at any undue risk. During the period and at the Balance Sheet date, the majority of balances held at bank were held in either current or deposit accounts with banks. The make-up of fixed asset investments is given in note 14 of the Financial Statements. The majority of these investments are placed in two Charities Official Investment Funds.

Going concern

The Council Members have given due consideration to the ability of The Society to continue as a going concern.

The Society has returned a surplus of £409 for the financial year and at the balance sheet date the net assets of the Society are £689,428. The previous year had returned a substantial surplus due to the success of the OSIG 2023 conference. Investment portfolio and income increased with part of the OSIG 2023 surplus invested in higher interest accounts. The OSIG 2023 conference did not recur in the current year and will next take place in September 2027.

The Society's core income streams have all continued to recover after the impact of the COVID19 pandemic and the trend towards on-line courses. Membership income has increased by 1.55%; Conferences Workshops and Seminars income has generated £143,281 of income and a £93,836 surplus for the year.

We expect the upward trend on core income to continue and The Society continues to meet its minimum reserves policy of holding fifty percent of the expected next year's expenditure in reserves.

The Members are, therefore, satisfied that the going concern basis remains appropriate.

FUNDS HELD AS CUSTODIAN TRUSTEE ON BEHALF OF OTHERS

No funds are held as custodian trustee on behalf of the others.

STATEMENT OF COUNCIL MEMBERS' RESPONSIBILITIES

The Council Members are responsible for preparing the Report and the Financial Statements in accordance with applicable law and regulations.

Company Law requires the Council Members to prepare financial statements for each financial year. Under that law the Council Members have elected to prepare the financial statements in accordance with United Kingdom Generally Accepted Accounting Practice (United Kingdom Accounting Standards and applicable law). Under company law the Council Members must not approve the financial statements unless they are satisfied that they give a true and fair view of the state of affairs of the Society and of the surplus and deficit of the Society for that period. In preparing these financial statements, the Council Members are required to:

- observe the methods and principles in the Charities SORP;
- select suitable accounting policies and then apply them consistently;
- make judgements and accounting estimates that are reasonable and prudent;
- state whether applicable UK Accounting Standards have been followed, subject to any material departures disclosed and explained in the financial statements;
- prepare the financial statements on the going concern basis unless it is inappropriate to presume that the Society will continue its activities.

The Council Members are responsible for keeping adequate accounting records that are sufficient to show and explain the Society's transactions and disclose with reasonable accuracy at any time the financial position of the Society and enable them to ensure that the financial statements comply with the Companies Act 2006. They are also responsible for safeguarding the assets of the Society and hence for taking reasonable steps for the prevention and detection of fraud and other irregularities.

STATEMENT AS TO DISCLOSURE OF INFORMATION TO INDEPENDENT EXAMINER

So far as each person who was a Council Members at the date of approving this report is aware, there is no relevant information of which the Society's Independent Examiner is unaware. Additionally, each Council Member has taken all the necessary steps that they ought to have taken as a Council Member in order to make themselves aware of all relevant information and to establish that the Society's Independent Examiner is aware of that information.

This report has been prepared having taken advantage of the small companies' exemption in the Companies Act 2006.

On behalf of the Council



M Fearn
Chair of the Council



G Schultz
Honorary Treasurer



D Brookes
Honorary Secretary

Dated: 30 October 2025

Independent Examiner's Report to the Trustees of
Society for Underwater Technology (The)
30 June 2025

I report on the accounts for the trustees on my examination of the accounts of Society for Underwater Technology for the year ended 30 June 2025 as set out on pages 2.8 to 2.20.

Responsibilities and basis of report
As the charity trustees, you are responsible for the preparation of the accounts in accordance with the Charities Act 2011 (the Act); the Charities and Trustee Investment (Scotland) Act 2005 and regulations 6 and 8 of the Charities Accounts (Scotland) Regulations 2006 (as amended).

I report in respect of my examination of the Charity's accounts carried out under section 145 of the 2011 Act and in carrying out my examination I have followed all the applicable Directions given by the Charity Commission under section 145(5)(b) of the Act.

Independent Examiner's statement
The Society's gross income exceeded £250,000 and I am qualified to undertake the examination by being a qualified member of the Association of Certified Chartered Accountants.

I have completed my examination. I confirm that no material matters have come to my attention in connection with the examination which gives me cause to believe that in any material respect:

- The accounting records were not kept in accordance with section 130 of the Act; or
- The accounts did not accord with the accounting records; or
- The accounts did not comply with the applicable requirements concerning the form and content of accounts set out in the Charities (Accounts and Reports) Regulations 2008 other than any requirement that the accounts give a true and fair view which is not a matter considered as part of an independent examination.

I have no concerns and have come across no matters in connection with the examination to which attention should be drawn in this report in order to enable a proper understanding of the accounts to be reached.

Tom Lacey FCCA
Nunn Hayward LLP
Chartered Accountants
2-4 Packhorse Road
Gerrards Cross
Buckinghamshire
SL9 7QE

Date:

Society for Underwater Technology (The)
Statement of Financial Activities
(Incorporating the Income and Expenditure Account)
For the year ended 30 June 2025

	Note	Unrestricted Funds 2025	Restricted		Total
Income					
Donations and legacies	2				
Income from charitable activities:					
Memberships, conferences and events	3				
Income from other activities:					
Other incoming resources	5				
Investment income	6				
Total income		£355			
Expenditure					
Expenditure on charitable activities:					
Charitable activities	7				
Total expenditure		£345			
Net income before gains / (losses) on investments					
Net gains / (losses) on investments	14.3				
Net income / (expenditure)		£409			
Transfers between funds					
Net Movement in Funds		£409			
Reconciliation of funds					
Total funds brought forward					
Total funds carried forward		£689			

Net income is derived from continuing operations for the above two financial years.

All gains and losses recognised in the year are included above.

Society for Underwater Technology (The)
Balance Sheet
As at 30 June 2025

	Note	2025		2024	
		£	£	£	£
Fixed assets					
Tangible assets	13		1,926		1,926
Investments	14		391,694		231,958
			393,620		233,884
Current assets					
Publications stock	15	7,863		18,532	
Debtors	16	65,558		24,870	
Cash at bank and in hand		314,409		474,750	
		387,830		518,152	
Creditors: Amounts falling due within one year	17	(91,613)		(62,608)	
Net current assets			296,217		455,544
Net assets			£ 689,837		£ 689,428
Funds of the charity:					
Unrestricted income funds			689,837		689,428
Total charity funds			£689,837		£ 689,428

Total funds as stated above include a Fair Value Reserve of £179,929 (2024: £190,193) (see note 14.3).

The Council Members acknowledge their responsibilities for:

(a) ensuring that the company keeps accounting records which comply with Sections 386 and 387 of the Companies Act 2006; and

(b) preparing financial statements which give a true and fair view of the state of affairs of the company as at the end of each financial year and of its profit or loss for each financial year in accordance with the requirements of Sections 394 and 395 and which otherwise comply with the requirements of the Companies Act 2006 relating to financial statements so far as applicable to the company.

The company is entitled to exemption from audit under Section 477 of the Companies Act 2006 relating to small companies for the year ended 30 June 2025.

The members have not required the company to obtain an audit of its financial statements for the year ended 30 June 2025 in accordance with section 476 of the Companies Act 2006.

The financial statements have been prepared in accordance with the provisions applicable to companies subject to the small companies' regime.

Approved by the Council on 30 October 2025 and signed on its behalf by:

Mike Fearn

M Fearn
Chair of the Council
Company Number: 00932590
Registered Charity Number: 256659

G Schultz
Honorary Treasurer

The notes on pages 2-10 to 2-20 form part of these financial statements.

1. Accounting policies

Company information
Society for Underwater Technology (the charity) is a private company limited by guarantee and domiciled in England and Wales. The charity's registered numbers and registered office address can be found on page 1 of these accounts. The company does not have a fixed place of business; all employees work remotely.

The principal accounting policies adopted, judgements and key sources of estimation uncertainty in the preparation of the financial statements are as follows:

a) **Basis of preparation**
The financial statements have been prepared in accordance with the Statement of Recommended Practice: Accounting and Reporting by Charities preparing their accounts in accordance with the Financial Reporting Standard applicable in the UK and Republic of Ireland (FRS 102) issued in October 2019 and the Financial Reporting Standard applicable in the UK and Republic of Ireland (FRS 102), Charities Act 2011, Companies Act 2006, the Charities and Trustee Investment (Scotland) Act 2005 and the Charities Accounts (Scotland) Regulations 2006 (as amended) and UK Generally Accepted Practice as it applies from 1 January 2019.

Society for Underwater Technology meets the definition of a public benefit entity under FRS 102. Assets and liabilities are initially recognised at historical cost or transaction value unless otherwise stated in the relevant accounting policy note(s).

The legal and actual status of affiliated operations is periodically assessed by the charity. As a result the charity concludes that the operations in Perth (Australia), Houston (USA), Melbourne (Australia), West Africa, Rio de Janeiro (Brazil), Singapore and Beijing (China) do not qualify as subsidiaries under the Companies Acts 2006 or as branches under the guidance laid out by the Charities SORP (FRS 102). The detailed review of the constitutions and operations concluded that they are administratively autonomous and should therefore not be consolidated. The Society for Underwater Technology Norway NUF was established as a Norwegian branch of a foreign enterprise (NUF). The constitution of this operation varies from those mentioned above and it qualifies as a branch under the Charities SORP (FRS 102) as a result is treated as a subsidiary. The Society has taken advantage of the exemption from preparing group accounts as per SORP FRS102 S.24.6 Appendix 3 A.11.

The presentation currency is £ Sterling rounded to nearest £1.

The financial statements have been prepared under the historical cost convention.

b) **Preparation of the accounts on a going concern basis**
The Council Members have given due consideration to the ability of The Society to continue as a going concern.

The Society has returned a surplus of £409 (2024: £360,602) for the financial year and at the balance sheet date the net assets of the Society are £689,837 (2024: £689,428).

In FY2024 the Society has held its 9th International OSIG Conference "Innovative Geotechnologies for Energy Transition", an in-person event. This was well attended, received significant sponsorship. This year's revenue has fallen back due to the fact that the OSIG income only arises every five years with the next OSIG conference scheduled to take place in 2027. The Society continues to meet its minimum reserves policy of holding fifty percent of the expected next year's expenditure in reserves.

The Members are, therefore, satisfied that the going concern basis remains appropriate.

1. Accounting policies – cont'd

c) **Fund accounting**
The principles of fund accounting, as described in the Statement of Recommended Practice, Accounting and Reporting by Charities: the Charities SORP (FRS 102), have been applied in the preparation of these financial statements.

Funds held by the Society are either:

Unrestricted general funds
These are funds which can be used in accordance with the charitable objects at the discretion of the Trustees.

Designated general funds
The Society has designated general funds which it applies to the provision of the awards made to students. Monies that are designated by the Council Members can be moved back within the unrestricted general funds should the Council Members so decide.

Restricted funds
These funds can only be used for this purpose within the objects of the Society. The Society's restricted funds were all fully expended during the year and, therefore, there is no fund analysis relating to balance sheet values at the year end.

d) **Tangible fixed assets**
Assets are capitalised at cost when the economic benefit of ownership will spread over a number of years.

Depreciation is provided on tangible fixed assets at rates calculated to write off the cost less estimated residual value of each asset evenly over its expected useful life as follows:

Office furniture and equipment	20% reducing balance
Computer	33% straight line

e) **Publications stock**
Stock is valued at the lower of net realisable value and cost. Cost is valued on a first in first out basis.

f) **Investments**
Investments are valued at the prevailing market price as at the Balance Sheet date. Realised and unrealised gains (or losses) are reflected in the Statement of Financial Activities in the year in which they occur. No distinction is made between realised and unrealised gains in the Statement of Financial Activities as the Trustees consider that the disclosure of total gains/losses show a truer and fairer view.

g) **Debtors**
Debtors are recognised at the settlement amount due less any provisions for doubtful debts.

Prepayments are valued at the amount prepaid, calculated on a month-by-month basis.

h) **Creditors**
Creditors are recognised where the Society has a present obligation resulting from a past event that will probably result in the transfer of funds to a third party and the amount due to settle the obligation can be measured or estimated reliably. Creditors are normally recognised at their settlement amount.

i) **Voluntary income**
Voluntary income is recognised on receipt.

j) **Events Income**
Events income is included when receivable.

k) **Subscriptions**
Membership subscriptions are accounted for on a receivable basis.

1. Accounting policies – cont'd

l) **Grants Payable**
Grants payable are charged against income upon approval of the grant, in so far as the grant is payable from current resources.

m) **Expenditure**
Charitable activities represent all costs incurred by the Society in meeting its charitable objectives.

Governance costs are incurred in connection with the management and administration of the charity. These include central management and administration costs, organisational costs and costs incurred to ensure compliance with constitutional and statutory requirements.

Each natural category of costs is considered individually and allocated on a percentage basis by function.

n) **Operating Leases**
Operating lease rentals are charged to the profit and loss account as incurred.

o) **Foreign Currencies**
Assets and liabilities denominated in foreign currencies are translated at the rate of exchange ruling at the Balance Sheet date. Transactions are translated at the rate of exchange ruling at the date of the transaction. All exchange differences are reflected in the Statement of Financial Activities.

p) **Redundancy payments**
Redundancy payments due to employees for termination of employment during the year are fully recognised in the current financial year.

q) **Government grants receivable**
Government grants are recognised when there is reasonable assurance that the grant conditions will be met and that the grants will be received.

2. Income from donations and legacies

	Unrestricted Funds £	Restricted Funds £	Total 2025 £	2024 £
ESF Donations	-	1,918	1,918	1,578
Mick Cook Marine Site Investigation Fund	-	1,000	1,000	1,000
	£-	£2,918	£2,918	£ 2,578

3. Income from charitable activities

	Note	2025	2024
Membership subscriptions	3.1	188,474	185,589
Conferences and seminars	4	143,281	864,613
Publications, journals, newsletters and educational products		2,399	13,750
		£ 334,154	£1,063,952

3.1 Membership subscriptions

	2025 £	2024 £
Corporate members	148,324	143,122
Individual members	40,150	42,467
	£ 188,474	£ 185,589

4. Conferences and seminars

	2025			2024		
	Fees	Direct Costs	Surplus/ (Deficit)	Fees	Direct Costs	Surplus/ (Deficit)
	£	£	£	£	£	£
Courses						
NE Geoforum 2024	3,979	2,271	1,708	-	-	-
ME Branch Meeting – Practical Realities of Submarine Flexible Lay	1,489	187	1,302	-	-	-
Joint SIG meeting Dec 2024	2,000	1,197	803	-	-	-
AGM 2024	25	2,849	(2,824)	-	-	-
Wind Course April 2025	14,738	5,134	9,604	-	-	-
OSIG Course May 2025	33,080	7,950	25,130	-	-	-
SW Geoforum 8	3,541	1,277	2,264	-	-	-
ADIPEC talks 2024	400	-	400	-	-	-
ECOSIGG visit Southampton		162	(162)	-	-	-
OSIG 2023		1,407	(1,407)	-	-	-
SAC Nov 2024	20,200	5,000	15,200	-	-	-
SAC Sept 2024	17,200	4,641	12,559	-	-	-
SAC Feb 2025	15,800	4,372	11,428	-	-	-
SAC June 2025	20,075	4,085	15,990	-	-	-
OSIG 2023 Conference (5-yearly)	-	-	-	692,065	384,167	307,898
SAC November 2023	-	-	-	20,200	3,118	17,082
SAC Feb 2023	-	-	-	19,900	3,551	16,349
SAC June 2024	-	-	-	18,900	4,432	14,468
OSIG Course May 2024 – Southampton	-	-	-	29,680	7,528	22,152
Offshore Wind Energy Course – Newcastle	-	-	-	10,030	3,470	6,560
MetOcean course for Scottish Power Renewables	-	-	-	15,400	6,000	9,400
Wind Course April 2024	-	-	-	9,894	4,299	5,595
DSTL Project	-	-	-	12,333	10,533	1,800
UXO in the Marine Environment(free event)	-	-	-	-	8	(8)
LSE Lunch and Learn 29.02.24 (free event)	-	-	-	-	8	(8)
OSIG SW Geoforum 7	-	-	-	4,428	1,221	3,207
ECOSIGG Industry Insights and Network	-	-	-	-	8	(8)
Conferences and workshops						
SUT/Masts Workshop	-	-	-	1,765	2,515	(750)
Oceanology International Conference	-	-	-	18,000	-	18,000
Other events						
Annual General Meeting	-	-	-	-	2,144	(2,144)
Branch activities						
Aberdeen						
Gadgets & Widgets 2024	1,295	533	762	-	-	-
AB Eve Mtg Oct 2024	270	378	(108)	-	-	-
AB Eve Mtg Nov 2024	435	381	54	-	-	-
Pub Quiz and AGM – Jan 2025	896	866	30	-	-	-
Business Breakfast Jan 2025	2,181	1,880	301	-	-	-
Aberdeen Eve Mtg Feb 2025	1,075	825	250	-	-	-
AB Eve Mtg March 2025	728	573	155	-	-	-
AB Eve Mtg April 2025	800	580	220	-	-	-
AB Eve Mtg June 2025	767	601	166	-	-	-
Carry forward	*140,974*	*47,149*	*93,825*	*852,595*	*433,002*	*419,593*

	2025			*2024*		
	Fees	Direct Costs	Surplus/ (Deficit)	Fees	Direct Costs	Surplus/ (Deficit)
	£	£	£	£	£	£
Brought forward	*140,974*	*47,149*	*93,825*	*852,595*	*433,002*	*419,593*
AGM + Pub Quiz January 2024	-	-	-	911	759	152
Business Breakfast – Jan 2024	-	-	-	2,059	1,087	972
Protecting offshore systems from Cyber Threats	-	-	-	-	10	(10)
SUT + Chartership Event	-	-	-	-	300	(300)
This is SUT	-	-	-	470	21	449
Gadgets and Widgets 2023	-	-	-	1,545	627	918
London						
LSE Pub Quiz	1,303	792	511	1,704	1,227	477
LSE Eve Mtg Nov 2024	80	460	(380)	-	-	-
LSE Eve Mtg May 2025	310	476	(166)	-	-	-
LSE Eve Mtg Sep 2024				247	129	118
Newcastle						
NoE Pub Quiz 2024	614	568	46	-	-	-
Biometrics and Biofueling	-	-	-	50	25	25
Subsewa Imaging and VR	-	-	-	129	51	78
NoE Eve Meeting June 2024	-	-	-	104	33	71
UAE						
Road to COP28/Renewables	-	-	-	2,112	297	1,815
Why Subsea Industry Data Matter for COP28	-	-	-	1,088	85	1,003
HVDC Systems	-	-	-	1,599	326	1,273
	£143,281	£49,445	£93,836	£864,613	£437,979	£426,634

5. Other income

	Unrestricted Funds	Restricted Funds	Total 2025	2024
	£	£	£	£
Sundry income	97	-	97	683
Fees for services	2,500	-	2,500	-
	£2,597	£ -	£2,597	£683

6. Investment income

	2025	2024
	£	£
Charities Official Investment Fund		
Dividends received	6,361	6,223
Bank interest		
Interest received	12,809	5,831
	£19,170	£ 12,054

7. Analysis of expenditure on charitable activities

	Note	Unrestricted Funds	Restricted Funds	Total 2025	2024
		£	£	£	£
Direct charitable expenditure					
Grants payable to individuals	8	8,482	2,918	11,400	10,400
Other direct charitable expenditure	9	336,766	-	336,766	726,117
		£345,248	£2,918	£348,166	£ 736,517

8. Grants payable

	Unrestricted Funds	Restricted Funds	Total 2025	2024
	£	£	£	£
Undergraduates	8,082	1,918	10,000	8,500
Postgraduates	-	-	-	-
Awards	400	1,000	1,400	1,900
	£8,482	£2,918	£ 11,400	£ 10,400

9. Other direct charitable expenditure

	Unrestricted Funds	Restricted Funds	Total 2025	2024
	£	£	£	£
Accountancy	5,919	-	5,919	3,559
Examiner's/Auditor's remuneration	3,600	-	3,600	6,500
Bank charges	3,441	-	3,441	3,806
Conferences and seminars (Note 4)	49,445	-	49,445	437,937
Publications, journals and newsletters	15,943	-	15,943	4,540
Computer maintenance	13,002	-	13,002	10,995
Depreciation	1,719	-	1,719	1,154
Insurance	2,215	-	2,215	2,025
Travel	6,941	-	6,941	8,656
Marketing and advertising	15,232	-	15,232	20,575
Postage	199	-	199	135
Professional fees	6,360	-	6,360	6,695
Staff recruitment and training	834	-	834	132
Salaries (note 11)	201,098	-	201,098	206,975
Stationery and office expenses	7,356	-	7,356	7,824
Subscriptions	-	-	-	451
Telephone	1,747	-	1,747	1,682
Software licences	1,715		1,715	2,476
	£336,766	£-	£336,766	£726,117

10. Analysis of support and governance costs

The charity initially identifies the costs of its support functions. It then identifies those costs which relate to the governance function. The table shown overleaf details the analysis of these support and governance functions. These values are included in the costs shown in note 9.

	General Support	Governance Function	Total	Basis of apportionment
	£	£	£	£
Independent examination fee	-	3,600	3,600	Wholly attributable
Accountancy fee to IE	-	5,919	5,919	Wholly attributable
Bank charges	3,441	-	3,441	Wholly attributable
Committee expenses	-	-	-	Usage allocation
Computer maintenance	1,760	-	1,760	Allocated on time
Depreciation	516	-	516	Allocated on time
Insurance	665	-	665	Allocated on time
Postage	20	-	20	Usage allocation
Software Licences	1,715	-	1,715	Wholly attributable
Staff recruitment and training	250	-	250	Allocated on time
Salaries	60,329	-	60,329	Allocated on time
Stationery and office expenses	4,351	-	4,351	Usage allocation
Telephone	349	-	349	Usage allocation
Marketing	3,046	-	3,046	Apportioned equally
	£76,442	£9,519	£85,961	

Where not otherwise stated, support costs as shown above have been calculated on a pro rata basis in line with the staff salaries allocation.

11. Staff costs

	2025 £	2024 £
Staff costs:		
Wages and salaries	180,669	185,441
Social security costs	14,862	16,571
Defined contribution pensions	5,567	4,963
Other staff costs	-	-
	£ 201,098	£ 206,975

The average number of employees, analysed by function was:

	2025	2024
Direct charitable activities	4	2
Management and administration of the charity	2	2

The Trustees did not receive any remuneration or reimbursed expenses during the year. (2024: £3,428)

Total employee benefits of key management personnel amounted to £87,888 (2024: £90,296).

Employees earning more than £60,000 during the year:

	2025	2024
£80,001 - £90,000	1	-
£90,001 - £100,000	-	1

12. Taxation

The Society is a registered charity and, therefore, no tax liability arises on the results for the year to the extent that income and gains are applied to the Society's charitable objects.

13. Tangible fixed assets

	Office furniture and equipment £	Computers £	Total £
Cost			
As at 1 July 2024	4,477	48,020	52,497
Additions	-	1,719	1,719
Disposals	-	-	-
As at 30 June 2025	4,477	49,739	54,216
Depreciation			
As at 1 July 2024	4,196	46,375	50,571
Charge for the year	229	1,490	1,719
On disposals	-	-	-
As at 30 June 2025	4,425	47,865	52,290
Net book value at 30 June 2025	£ 52	£ 1,874	£ 1,926
Net book value at 30 June 2024	£ 281	£ 1,646	£ 1,927

14. Fixed assets investments

14.1 Summary

		2025		2024	
		£ Cost	£ Valuation	£ Cost	£ Valuation
a)	Charities Official Investment Fund	39,659	220,911	39,659	231,463
b)	Listed investments	2,106	783	2,106	495
c)	Redwood Bank 1 Year Bond	85,000	85,000	-	-
d)	Bank of Scotland Fixed Term Deposit	85,000	85,000		-
		£211,765	£ 391,694	£41,765	£231,958

14.2 Movements on investments

	2025 £	2024 £
Market value at 1 July	231,958	214,106
Additions	170,000	-
Transfers/Disposals	-	-
Gain/(Loss) on revaluation	(10,264)	17,852
Market value at 30 June	£ 391,694	£ 231,958

14.3 Reconciliation of movement in unrealised gains on investment assets

	2025 £	2024 £
Unrealised gains at 1 July	190,193	172,341
Realised gain on disposal	-	-
Unrealised gains/(losses) in year	(10,264)	17,852
Unrealised gains at 30 June	£179,929	£ 190,193

15. Publications stock

	2025 £	2024 £
Books for resale	£7,863	£18,532

16. Debtors

	2025 £	2024 £
Trade debtors	36,932	20,684
Prepayments and accrued income	25,374	934
Other debtors	3,252	3,252
	£ 65,558	£ 24,870

17. Creditors: Amounts falling due within one year

	2025 £	2024 £
Trade creditors	3,868	6,491
Deferred income	56,448	31,697
Social Security and other taxes	6,450	9,516
Accruals	15,830	11,249
Other creditors	5,291	3,655
VAT	3,726	-
	£ 91,613	£62,608

17.1 Deferred income included in creditors due within one year

	2025 £	2024 £
Opening balance as at 1 July	31,697	391,550
Deferred in the year	(25,435)	(391,327
Released in the year	50,186	31,474
Closing balance as at 30 June	£ 56,448	£ 31,697

Income is deferred when it has been either invoiced or received in the current financial year but relates to future periods.

18. Limited liability of members

In accordance with the Memorandum and Articles of Association, Fellows, Individual Members and Corporate Members (but not Associate Members and Student Members) are deemed to be Members of the Society within the context and as such have a limited liability of £5 per member in the event of the Society being wound up.

19. Fair value reserve

The unrealised gains table shown in note 14.3 represent the value of the Fair value reserve held within the General Fund.

20. Related party transactions

The total amount of donations received without conditions from trustees during the year was £nil.
Key management personnel remuneration is disclosed at note 11.

There are no other disclosable related party transactions during the year.

21. Restricted funds

	Balance 30 June 2024 Restated	Incoming Resources	Movement in Fund Expenditure and Gains/(losses)	Transfers	Balance 30 June 2025
Society for Underwater Technology Educational Support Fund	-	1,918	(1,918)	-	-
Mike Cook Marine Site Investigation Award	-	1,000	(1,000)	-	-

The Education Support Fund was established to provide educational grants to students. The original restricted funds have all been expended. The Society continues to collect small amounts for the fund during the year at events and through the Just Giving platform. The amounts collected during the year are fully expended during the year.

The Mike Cook Marine Site Investigation Fund makes an annual award which recognise industry professionals who have made a significant contribution to Marine Site Investigation and Characterisation, covering the broad disciplines of Geophysics and Geotechnics.

22. Comparative Statement of Financial Activity

	Note	Unrestricted Funds 2024	Restricted		Total 2023 £
Income					
Donations and legacies	2				2
Income from charitable activities:					
Memberships, conferences and events	3				308
Income from other activities:					
Other incoming resources					163
Investment income	6				6
Total income					£ 318
Expenditure					
Expenditure on charitable activities:					
Charitable activities	7				288
Total expenditure		£736			£288
Net income / (expenditure) before gains / (losses) on investments					29
Net gains / (losses) on investments	14.3				6
Net income / (expenditure)					36
Transfers between funds					
Net Movement in Funds					36
Reconciliation of funds					
Total funds brought forward					292
Total funds carried forward		£ 689			£ 328

Society for Underwater Technology (The)
Report and Financial Statements
for the year ended 30 June 2025

Company Number 00932590
Registered Charity 256659
Scottish Charity Number: SC043942

Society for Underwater Technology (The)
Financial Statements for the year ended
30 June 2025

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Society for Underwater Technology (The)
Financial Statements for the year ended
30 June 2025

Legal and Administrative Information

The Council Members, who are the Trustees for the purpose of Charity Law, and also the Directors and Members for the purpose of Company Law, present their Report together with the Financial Statements for the year ended 30 June 2025.

President:	B Sykes
Chair and Vice President:	M Fearn
Hon Treasurer:	G Schultz
Hon Secretary:	D Brookes
Chief Executive (CEO):	C A Burgess
Registered Office:	2-4 Packhorse Road, Gerrards Cross, Buckinghamshire, England. SL9 7QE
Registered Charity:	256659
Company Number:	00932590
Independent Examiner:	Nunn Hayward LLP 2-4 Packhorse Road Gerrards Cross Buckinghamshire SL9 7QE
Principal Bankers:	Barclays Bank plc and Bank of Scotland plc
Solicitors:	Gordons Partnership 22 Great James Street London WC1N 3ES

Society for Underwater Technology (The)
Chair's Report
30 June 2025

Currently ten months into my term as elected Chair of Council within the Society of Underwater Technology (SUT) organisation, I am blown away by the dedication of the SUT staff, volunteers and Board members, who work effortlessly behind the scenes to ensure the ongoing success we have now and moving forward.

In 2025 alone at the point of writing we have conducted 5 training courses in the UK including Subsea Awareness, Introduction to Offshore Wind, Offshore Site Investigations Fundamentals, 19 technical meetings, participated in 4 conferences and 2 social events along with the various publications of BIG Blue World. On top of these we have held regular Special Interest Group Meetings such as MES, OSIG, UXO, MREC, Diving and crewed submersibles and the newly reformed Robotics SIG.

We have also taken the steps to refresh the image of the SUT and coming later this year will be the new & fresh SUT website in collaboration with our branches with a focus on our many Special Interest Group which any member of the SUT is invited to join and participate in. As a matter of fact, I strongly encourage member participation in SIGs to keep up to the latest developments, technologies and engage with a full breadth of industry experts.

Finance and Accounts
The SUT Council budget for 2025-26 has been finalised and approved by Council. As a charity, the SUT's budget is set with modest expectations on creating income surplus and ever mindful of control on expenditures and overheads in the running of the Society.

The 10th OSIG conference will be happening in London in September 2027. This event has previously generated significant surplus following the event for the SUT and will be open for registration before the end of 2025. The work on the OSIG 2027 is underway and the Society has secured Central Westminster Hall as the venue, the deposit for which is classified under prepayments in note 16 to the accounts.

The 2024-25 accounts reflect a strong performance of SUT training courses including Subsea Awareness and Offshore Wind courses all contributing to the Society's surplus in addition to stable membership numbers, donations for specific awards, budget lines for continued support for SUT's Educational Support Fund (ESF). The SUT remains able to support our charitable endeavours, on-going commitments and funds in savings and investments for SUTs sustainability and future initiatives. The SOFA page 2-8 in the accounts shows a small surplus before accounting for the unrealised loss of £10,264 on the investments held at the balance sheet date. At 23 October 2025 the investments had recovered £3,358 of that lost market value.

Conferences
One of the core capabilities of engaging with existing and new members is the presence at conferences globally with the thanks to our Branches and team within the UK.

So far this year we have had a stand at Subsea Expo, Ocean Business, All Energy and Offshore Europe where the team have received increased interest from the industry about where SUT could support, the training courses along with the advantages of our Special Interest Groups, which surprise me are still relatively unknown to a lot of people including our members. In November 2025, the Middle East Branch will be present at ADIPEC in the UAE. In 2026 we are looking ahead to Subsea Expo, Oceanology International and All-Energy.

Other conferences attended have been events like IPF and OTC (Offshore Technology Conference) where people would have seen Andy Hill (SUT-US, Houston Branch Chair) and myself engaging with the industry on the benefits of the SUT. Dave Brookes and Benj Sykes attended Global Offshore Wind in London.

The OSIG conference committee has already started planning for the next OSIG conference in London 2027 supported by the SUT centre team.

More conferences and events are planned and will be available on the website www.sut.org

Educational Support
An ever increasing number of applications are received from students around the world pursuing academic degrees in the disciplines covered by SUT: underwater, marine and subsea science, technology, engineering. The applicants are passionate about their interests and the aspirations for the future. A report on SUT's education activities and grants given to students appears in the Annual Report.

Awards
The Awards report lists SUT Awards bestowed during 2024–2025 financial year, is also included in the Annual Report.

A list of Fellows elected by SUT Council are included in the Awards Report. The SUT Awards include: The Lennard Senior Memorial Prize, The President's Award, The Captain Don Walsh Award for Ocean Exploration

(joint with MTS), The Mick Cook Marine Site Investigations Award, The Gwyn Griffiths Underwater Robotics Award (for those under 40), SUT Prize for Outstanding Underwater Engineering Project, University of Aberdeen.

Note 8 in the Accounts relates to the Awards.

Communications

Currently our Underwater Technology Podcast is on a hiatus with new episodes but all previous episodes are still available and worth a play back if you haven't listened before. I want to thank Martin Stemp for all his commitments in delivering these episodes voluntarily and the interest in underwater technology, marine science and subsea engineering.

As a reminder, all SUT members have access to our quarterly newsletter *Big Blue World* as well as *UT2* and *Underwater Robotics* magazines. We strongly encourage all members to contribute any news, articles on innovation, updates or thought pieces for inclusion into the magazines. SUT members are also able to submit articles to the MTS journal.

A big welcome to all our new starts this year including Clare Parisi, Katie Fearon, Julie Callaghan and Michelle Jones who will be working alongside our current team, Cheryl Burgess and Jane Hinton, to continue to deliver the training courses, SIG support and conferences globally for the SUT & all its volunteers.

On behalf of all the SUT members and the teams, I would like to congratulate our very own Emily Boddy and her husband for welcoming their first child to their family this year. Emily, Publications and Communications Officer, went on maternity leave in April 2025. We look forward to Emily's return in 2026 when her maternity leave concludes.

Lastly, I would like to thank all of those who volunteer for the SUT on Exec, Council, in Branches, Affiliates and Special Interest Groups. We appreciate all that you do.

Thank you to everyone involved in making the SUT a success and here is to the growth and success of SUT as we enter our milestone 60th year.

Mike Fearn
Chair and Vice President
30 October 2025

STRUCTURE, GOVERNANCE AND MANAGEMENT

The Society's governing document is the Memorandum and Articles of Association and its full name is the Society for Underwater Technology Limited. The Society is a registered company limited by guarantee and a registered charity.

Council Members and their Interests
The Members serving on the Council throughout the year were as follows:

S V Duffield	B J Sykes	S F John (resigned 5 December 2024)
J Patten	G J Whitehead	M Crawford (resigned 24 October 2024)
Dr J Morgan	D A Brookes (appointed 24 October 2024)	
Prof R F Rayner	G S Schultz (appointed 24 October 2024)	
T H A Sloane	I R Wylie (appointed 5 December 2024)	
M M Stemp	M J Fearn (appointed 5 December 2024)	

None of the Members of the Council has any financial interest in the Society that requires disclosure under the Companies Act 2006. For Related Party transactions please see notes 11 and 20.

Council Members are appointed for three years by a ballot among members of the Society (members comprising the classes of Fellow, Individual Member and Corporate Member) and are drawn from among these Members. Candidates must be proposed and seconded by any two other Members. Ballot forms must be sent to Members twenty-eight days before the election, which is by simple majority, and this shall take place seven days before the Annual General Meeting. Those elected shall hold office from the conclusion of this Annual General Meeting. At the end of three years, a Council Member may stand for re-election, but no Member of Council may serve for more than six consecutive years.

New Council Members are not provided with a formal induction pack following their election but are briefed verbally at the first meeting.

Organisational Structure
A Board of Trustees (The Council) of up to or similar to 18 members, who meet quarterly, administer the Society. A Chief Executive (CEO), who's not a trustee, is appointed by The Council to manage the day-to-day operations of the Society.

Branches of the Society are established under the authority of Council in accordance with the Memorandum and Articles of the Society. They will have their own organising committee with elected officers.

The results of branches of the Society whereby the UK charity either has control, or the branch is not deemed to be administratively autonomous are consolidated in the Financial Statements.

Details of remuneration of key management personnel are disclosed in note 11. Remuneration levels for key management personnel and other employees are set by the Executive Committee, whose members are set out on page 1. The overall gross salary allowance as presented in the budget is then ratified by the full Council.

OBJECTIVES AND ACTIVITIES

The Society is principally engaged in the promotion of awareness in all aspects related to underwater technology. Its Mission and Strategic Vision are described as follows:

Mission
Supporting global individual and corporate membership through a network of branches and special interest groups. Facilitating information and knowledge exchange through online communications, training courses, conferences, exhibitions, workshops, publications, guidance documents, and social engagements with a particular focus on attracting and developing the careers of the next generation of ocean technologists, engineers and scientists.

Strategic Vision
To be the leading internationally recognised not-for-profit learned society facilitating the exchange of technological, engineering and scientific knowledge and best practice in support of the sustainable safe and efficient development and use of the ocean and ocean resources, while protecting ocean health, culture and heritage.

Public Benefit
In keeping with the Charity Commission's key principles that there must be an identifiable benefit to the public or a section of the public, the Society has undertaken the following activities during this financial year:

- It has supported 6 students, 4 undergraduates, 1 Masters and 1 Doctoral on relevant courses at a total cost of £10,000 (2024: £8,500).

- Provided free of charge, to both members and non-members, the most highly acclaimed on-line magazine in the field of underwater technology and sub-sea engineering, entitled UT^3.

- The Society provides both free and chargeable lectures, webinars and technical event programmes for the public and non-members. Again, in 2024 it has not been possible to deliver the Christmas lecture in person because of a lack of sponsorship in the local groups and the workload around the Society's September attendance at conferences such as Offshore Europe and its Subsea Awareness Courses. The Society is exploring developing online lectures for schools and events with schools timed at other points in the academic year, other than at Christmas, and developing these programmes with other like-minded bodies, associations and charities. In addition, the Society has donated volumes of its *Can a Lobster be an Archaeologist?* to schools in Hampshire and Aberdeenshire.

- Provided high quality subsidised training courses for industry.

Grant Making Policy
Grants are awarded to high-quality students at either undergraduate or postgraduate (one-year taught MSc) level undertaking courses relevant to the area of interest of the Society with the aim of encouraging more entrants to the marine disciplines.

STRATEGIC REPORT

Achievements and Performance
We have referred to the guidance contained in the Charity Commission's general guidance on public benefit when reviewing our aims and objectives and in planning our future activities.

The Unrestricted Funds of the Society were increased by £409 after allowing for £10,264 in losses on investments and £11,400 expended for grants and awards. Please also refer to the Chair's Report.

Financial Review

Reserves Policy
Free reserves are established and reviewed to ensure that the Society retains a level of funds to meet its forward obligations and to ensure it can reasonably maintain a level of service in line with its objectives. The Council Members consider this to be approximately 50% of average annual expected expenditure.

Educational Support Fund
At events organised by the Society collections are taken-up in favour of the 'Educational Support Fund' which was a historic fund, now expended, used to pay grants to under and post graduates. All monies collected in the name of this fund during a given year are fully expended on grants made within that financial year and, therefore, there is no balance sheet reserve in this name.

Investments
There are no formal restrictions on the investments made by the Society.

Plans for Future Periods
Please refer to the Chair's Report for future plans and developments.

Principal Risks and Uncertainties
The Council Members actively review the major risks which the charity faces and confirm that they have established systems to mitigate the significant risks.

Operational Risk
These systems are being put into a more formalised structure and are designed to reduce the likelihood of the risk and to lessen the impact on the Society should those risks materialise. Key risks at present are assessed as being associated with the Society's necessary global expansion and the concomitant development of IT structures to support this. However, no reason is seen to amend further the Reserves Policy as detailed above.

Principal Risks and Uncertainties continued

Financial Risk

The Members remain cautious in terms of the Society's investment strategy and are satisfied they have taken appropriate steps to ensure that reserves are not placed at any undue risk. During the period and at the Balance Sheet date, the majority of balances held at bank were held in either current or deposit accounts with banks. The make-up of fixed asset investments is given in note 14 of the Financial Statements. The majority of these investments are placed in two Charities Official Investment Funds.

Going concern

The Council Members have given due consideration to the ability of The Society to continue as a going concern.

The Society has returned a surplus of £409 for the financial year and at the balance sheet date the net assets of the Society are £689,428. The previous year had returned a substantial surplus due to the success of the OSIG 2023 conference. Investment portfolio and income increased with part of the OSIG 2023 surplus invested in higher interest accounts. The OSIG 2023 conference did not recur in the current year and will next take place in September 2027.

The Society's core income streams have all continued to recover after the impact of the COVID19 pandemic and the trend towards on-line courses. Membership income has increased by 1.55%; Conferences Workshops and Seminars income has generated £143,281 of income and a £93,836 surplus for the year.

We expect the upward trend on core income to continue and The Society continues to meet its minimum reserves policy of holding fifty percent of the expected next year's expenditure in reserves.

The Members are, therefore, satisfied that the going concern basis remains appropriate.

FUNDS HELD AS CUSTODIAN TRUSTEE ON BEHALF OF OTHERS

No funds are held as custodian trustee on behalf of the others.

STATEMENT OF COUNCIL MEMBERS' RESPONSIBILITIES

The Council Members are responsible for preparing the Report and the Financial Statements in accordance with applicable law and regulations.

Company Law requires the Council Members to prepare financial statements for each financial year. Under that law the Council Members have elected to prepare the financial statements in accordance with United Kingdom Generally Accepted Accounting Practice (United Kingdom Accounting Standards and applicable law). Under company law the Council Members must not approve the financial statements unless they are satisfied that they give a true and fair view of the state of affairs of the Society and of the surplus and deficit of the Society for that period. In preparing these financial statements, the Council Members are required to:

- observe the methods and principles in the Charities SORP;
- select suitable accounting policies and then apply them consistently;
- make judgements and accounting estimates that are reasonable and prudent;
- state whether applicable UK Accounting Standards have been followed, subject to any material departures disclosed and explained in the financial statements;
- prepare the financial statements on the going concern basis unless it is inappropriate to presume that the Society will continue its activities.

The Council Members are responsible for keeping adequate accounting records that are sufficient to show and explain the Society's transactions and disclose with reasonable accuracy at any time the financial position of the Society and enable them to ensure that the financial statements comply with the Companies Act 2006. They are also responsible for safeguarding the assets of the Society and hence for taking reasonable steps for the prevention and detection of fraud and other irregularities.

STATEMENT AS TO DISCLOSURE OF INFORMATION TO INDEPENDENT EXAMINER

So far as each person who was a Council Members at the date of approving this report is aware, there is no relevant information of which the Society's Independent Examiner is unaware. Additionally, each Council Member has taken all the necessary steps that they ought to have taken as a Council Member in order to make themselves aware of all relevant information and to establish that the Society's Independent Examiner is aware of that information.

This report has been prepared having taken advantage of the small companies' exemption in the Companies Act 2006.

On behalf of the Council



M Fearn
Chair of the Council



G Schultz
Honorary Treasurer



D Brookes
Honorary Secretary

Dated: 30 October 2025

Independent Examiner's Report to the Trustees of
Society for Underwater Technology (The)
30 June 2025

I report on the accounts for the trustees on my examination of the accounts of Society for Underwater Technology for the year ended 30 June 2025 as set out on pages 2.8 to 2.20.

Responsibilities and basis of report
As the charity trustees, you are responsible for the preparation of the accounts in accordance with the Charities Act 2011 (the Act); the Charities and Trustee Investment (Scotland) Act 2005 and regulations 6 and 8 of the Charities Accounts (Scotland) Regulations 2006 (as amended).

I report in respect of my examination of the Charity's accounts carried out under section 145 of the 2011 Act and in carrying out my examination I have followed all the applicable Directions given by the Charity Commission under section 145(5)(b) of the Act.

Independent Examiner's statement
The Society's gross income exceeded £250,000 and I am qualified to undertake the examination by being a qualified member of the Association of Certified Chartered Accountants.

I have completed my examination. I confirm that no material matters have come to my attention in connection with the examination which gives me cause to believe that in any material respect:

- The accounting records were not kept in accordance with section 130 of the Act; or
- The accounts did not accord with the accounting records; or
- The accounts did not comply with the applicable requirements concerning the form and content of accounts set out in the Charities (Accounts and Reports) Regulations 2008 other than any requirement that the accounts give a true and fair view which is not a matter considered as part of an independent examination.

I have no concerns and have come across no matters in connection with the examination to which attention should be drawn in this report in order to enable a proper understanding of the accounts to be reached.

Tom Lacey FCCA
Nunn Hayward LLP
Chartered Accountants
2-4 Packhorse Road
Gerrards Cross
Buckinghamshire
SL9 7QE

Date:

Society for Underwater Technology (The)
Statement of Financial Activities
(Incorporating the Income and Expenditure Account)
For the year ended 30 June 2025

	Note	Unrestricted Funds 2025	Restricted		Total
Income					
Donations and legacies	2				
Income from charitable activities:					
Memberships, conferences and events	3				
Income from other activities:					
Other incoming resources	5				
Investment income	6				
Total income		£355			
Expenditure					
Expenditure on charitable activities:					
Charitable activities	7				
Total expenditure		£345			
Net income before gains / (losses) on investments					
Net gains / (losses) on investments	14.3				
Net income / (expenditure)		£409			
Transfers between funds					
Net Movement in Funds		£409			
Reconciliation of funds					
Total funds brought forward					
Total funds carried forward		£689			

Net income is derived from continuing operations for the above two financial years.

All gains and losses recognised in the year are included above.

Society for Underwater Technology (The)
Balance Sheet
As at 30 June 2025

	Note	2025		2024	
		£	£	£	£
Fixed assets					
Tangible assets	13		1,926		1,926
Investments	14		391,694		231,958
			393,620		233,884
Current assets					
Publications stock	15	7,863		18,532	
Debtors	16	65,558		24,870	
Cash at bank and in hand		314,409		474,750	
		387,830		518,152	
Creditors: Amounts falling due within one year	17	(91,613)		(62,608)	
Net current assets			296,217		455,544
Net assets			£ 689,837		£ 689,428
Funds of the charity:					
Unrestricted income funds			689,837		689,428
Total charity funds			£689,837		£ 689,428

Total funds as stated above include a Fair Value Reserve of £179,929 (2024: £190,193) (see note 14.3).

The Council Members acknowledge their responsibilities for:

(a) ensuring that the company keeps accounting records which comply with Sections 386 and 387 of the Companies Act 2006; and

(b) preparing financial statements which give a true and fair view of the state of affairs of the company as at the end of each financial year and of its profit or loss for each financial year in accordance with the requirements of Sections 394 and 395 and which otherwise comply with the requirements of the Companies Act 2006 relating to financial statements so far as applicable to the company.

The company is entitled to exemption from audit under Section 477 of the Companies Act 2006 relating to small companies for the year ended 30 June 2025.

The members have not required the company to obtain an audit of its financial statements for the year ended 30 June 2025 in accordance with section 476 of the Companies Act 2006.

The financial statements have been prepared in accordance with the provisions applicable to companies subject to the small companies' regime.

Approved by the Council on 30 October 2025 and signed on its behalf by:

Mike Fearn

M Fearn
Chair of the Council
Company Number: 00932590
Registered Charity Number: 256659

G Schultz
Honorary Treasurer

The notes on pages 2-10 to 2-20 form part of these financial statements.

1. Accounting policies

Company information
Society for Underwater Technology (the charity) is a private company limited by guarantee and domiciled in England and Wales. The charity's registered numbers and registered office address can be found on page 1 of these accounts. The company does not have a fixed place of business; all employees work remotely.

The principal accounting policies adopted, judgements and key sources of estimation uncertainty in the preparation of the financial statements are as follows:

a) **Basis of preparation**
The financial statements have been prepared in accordance with the Statement of Recommended Practice: Accounting and Reporting by Charities preparing their accounts in accordance with the Financial Reporting Standard applicable in the UK and Republic of Ireland (FRS 102) issued in October 2019 and the Financial Reporting Standard applicable in the UK and Republic of Ireland (FRS 102), Charities Act 2011, Companies Act 2006, the Charities and Trustee Investment (Scotland) Act 2005 and the Charities Accounts (Scotland) Regulations 2006 (as amended) and UK Generally Accepted Practice as it applies from 1 January 2019.

Society for Underwater Technology meets the definition of a public benefit entity under FRS 102. Assets and liabilities are initially recognised at historical cost or transaction value unless otherwise stated in the relevant accounting policy note(s).

The legal and actual status of affiliated operations is periodically assessed by the charity. As a result the charity concludes that the operations in Perth (Australia), Houston (USA), Melbourne (Australia), West Africa, Rio de Janeiro (Brazil), Singapore and Beijing (China) do not qualify as subsidiaries under the Companies Acts 2006 or as branches under the guidance laid out by the Charities SORP (FRS 102). The detailed review of the constitutions and operations concluded that they are administratively autonomous and should therefore not be consolidated. The Society for Underwater Technology Norway NUF was established as a Norwegian branch of a foreign enterprise (NUF). The constitution of this operation varies from those mentioned above and it qualifies as a branch under the Charities SORP (FRS 102) as a result is treated as a subsidiary. The Society has taken advantage of the exemption from preparing group accounts as per SORP FRS102 S.24.6 Appendix 3 A.11.

The presentation currency is £ Sterling rounded to nearest £1.

The financial statements have been prepared under the historical cost convention.

b) **Preparation of the accounts on a going concern basis**
The Council Members have given due consideration to the ability of The Society to continue as a going concern.

The Society has returned a surplus of £409 (2024: £360,602) for the financial year and at the balance sheet date the net assets of the Society are £689,837 (2024: £689,428).

In FY2024 the Society has held its 9th International OSIG Conference "Innovative Geotechnologies for Energy Transition", an in-person event. This was well attended, received significant sponsorship. This year's revenue has fallen back due to the fact that the OSIG income only arises every five years with the next OSIG conference scheduled to take place in 2027. The Society continues to meet its minimum reserves policy of holding fifty percent of the expected next year's expenditure in reserves.

The Members are, therefore, satisfied that the going concern basis remains appropriate.

1. Accounting policies – cont'd

c) **Fund accounting**
The principles of fund accounting, as described in the Statement of Recommended Practice, Accounting and Reporting by Charities: the Charities SORP (FRS 102), have been applied in the preparation of these financial statements.

Funds held by the Society are either:

Unrestricted general funds
These are funds which can be used in accordance with the charitable objects at the discretion of the Trustees.

Designated general funds
The Society has designated general funds which it applies to the provision of the awards made to students. Monies that are designated by the Council Members can be moved back within the unrestricted general funds should the Council Members so decide.

Restricted funds
These funds can only be used for this purpose within the objects of the Society. The Society's restricted funds were all fully expended during the year and, therefore, there is no fund analysis relating to balance sheet values at the year end.

d) **Tangible fixed assets**
Assets are capitalised at cost when the economic benefit of ownership will spread over a number of years.

Depreciation is provided on tangible fixed assets at rates calculated to write off the cost less estimated residual value of each asset evenly over its expected useful life as follows:

Office furniture and equipment	20% reducing balance
Computer	33% straight line

e) **Publications stock**
Stock is valued at the lower of net realisable value and cost. Cost is valued on a first in first out basis.

f) **Investments**
Investments are valued at the prevailing market price as at the Balance Sheet date. Realised and unrealised gains (or losses) are reflected in the Statement of Financial Activities in the year in which they occur. No distinction is made between realised and unrealised gains in the Statement of Financial Activities as the Trustees consider that the disclosure of total gains/losses show a truer and fairer view.

g) **Debtors**
Debtors are recognised at the settlement amount due less any provisions for doubtful debts.

Prepayments are valued at the amount prepaid, calculated on a month-by-month basis.

h) **Creditors**
Creditors are recognised where the Society has a present obligation resulting from a past event that will probably result in the transfer of funds to a third party and the amount due to settle the obligation can be measured or estimated reliably. Creditors are normally recognised at their settlement amount.

i) **Voluntary income**
Voluntary income is recognised on receipt.

j) **Events Income**
Events income is included when receivable.

k) **Subscriptions**
Membership subscriptions are accounted for on a receivable basis.

1. Accounting policies – cont'd

l) **Grants Payable**
Grants payable are charged against income upon approval of the grant, in so far as the grant is payable from current resources.

m) **Expenditure**
Charitable activities represent all costs incurred by the Society in meeting its charitable objectives.

Governance costs are incurred in connection with the management and administration of the charity. These include central management and administration costs, organisational costs and costs incurred to ensure compliance with constitutional and statutory requirements.

Each natural category of costs is considered individually and allocated on a percentage basis by function.

n) **Operating Leases**
Operating lease rentals are charged to the profit and loss account as incurred.

o) **Foreign Currencies**
Assets and liabilities denominated in foreign currencies are translated at the rate of exchange ruling at the Balance Sheet date. Transactions are translated at the rate of exchange ruling at the date of the transaction. All exchange differences are reflected in the Statement of Financial Activities.

p) **Redundancy payments**
Redundancy payments due to employees for termination of employment during the year are fully recognised in the current financial year.

q) **Government grants receivable**
Government grants are recognised when there is reasonable assurance that the grant conditions will be met and that the grants will be received.

2. Income from donations and legacies

	Unrestricted Funds £	Restricted Funds £	Total 2025 £	2024 £
ESF Donations	-	1,918	1,918	1,578
Mick Cook Marine Site Investigation Fund	-	1,000	1,000	1,000
	£-	£2,918	£2,918	£ 2,578

3. Income from charitable activities

	Note	2025	2024
Membership subscriptions	3.1	188,474	185,589
Conferences and seminars	4	143,281	864,613
Publications, journals, newsletters and educational products		2,399	13,750
		£ 334,154	£1,063,952

3.1 Membership subscriptions

	2025 £	2024 £
Corporate members	148,324	143,122
Individual members	40,150	42,467
	£ 188,474	£ 185,589

4. Conferences and seminars

	2025			2024		
	Fees	Direct Costs	Surplus/ (Deficit)	Fees	Direct Costs	Surplus/ (Deficit)
	£	£	£	£	£	£
Courses						
NE Geoforum 2024	3,979	2,271	1,708	-	-	-
ME Branch Meeting – Practical Realities of Submarine Flexible Lay	1,489	187	1,302	-	-	-
Joint SIG meeting Dec 2024	2,000	1,197	803	-	-	-
AGM 2024	25	2,849	(2,824)	-	-	-
Wind Course April 2025	14,738	5,134	9,604	-	-	-
OSIG Course May 2025	33,080	7,950	25,130	-	-	-
SW Geoforum 8	3,541	1,277	2,264	-	-	-
ADIPEC talks 2024	400	-	400	-	-	-
ECOSIGG visit Southampton		162	(162)	-	-	-
OSIG 2023		1,407	(1,407)	-	-	-
SAC Nov 2024	20,200	5,000	15,200	-	-	-
SAC Sept 2024	17,200	4,641	12,559	-	-	-
SAC Feb 2025	15,800	4,372	11,428	-	-	-
SAC June 2025	20,075	4,085	15,990	-	-	-
OSIG 2023 Conference (5-yearly)	-	-	-	692,065	384,167	307,898
SAC November 2023	-	-	-	20,200	3,118	17,082
SAC Feb 2023	-	-	-	19,900	3,551	16,349
SAC June 2024	-	-	-	18,900	4,432	14,468
OSIG Course May 2024 – Southampton	-	-	-	29,680	7,528	22,152
Offshore Wind Energy Course – Newcastle	-	-	-	10,030	3,470	6,560
MetOcean course for Scottish Power Renewables	-	-	-	15,400	6,000	9,400
Wind Course April 2024	-	-	-	9,894	4,299	5,595
DSTL Project	-	-	-	12,333	10,533	1,800
UXO in the Marine Environment(free event)	-	-	-	-	8	(8)
LSE Lunch and Learn 29.02.24 (free event)	-	-	-	-	8	(8)
OSIG SW Geoforum 7	-	-	-	4,428	1,221	3,207
ECOSIGG Industry Insights and Network	-	-	-	-	8	(8)
Conferences and workshops						
SUT/Masts Workshop	-	-	-	1,765	2,515	(750)
Oceanology International Conference	-	-	-	18,000	-	18,000
Other events						
Annual General Meeting	-	-	-	-	2,144	(2,144)
Branch activities						
Aberdeen						
Gadgets & Widgets 2024	1,295	533	762	-	-	-
AB Eve Mtg Oct 2024	270	378	(108)	-	-	-
AB Eve Mtg Nov 2024	435	381	54	-	-	-
Pub Quiz and AGM – Jan 2025	896	866	30	-	-	-
Business Breakfast Jan 2025	2,181	1,880	301	-	-	-
Aberdeen Eve Mtg Feb 2025	1,075	825	250	-	-	-
AB Eve Mtg March 2025	728	573	155	-	-	-
AB Eve Mtg April 2025	800	580	220	-	-	-
AB Eve Mtg June 2025	767	601	166	-	-	-
Carry forward	*140,974*	*47,149*	*93,825*	*852,595*	*433,002*	*419,593*

	2025			*2024*		
	Fees	Direct Costs	Surplus/ (Deficit)	Fees	Direct Costs	Surplus/ (Deficit)
	£	£	£	£	£	£
Brought forward	*140,974*	*47,149*	*93,825*	*852,595*	*433,002*	*419,593*
AGM + Pub Quiz January 2024	-	-	-	911	759	152
Business Breakfast – Jan 2024	-	-	-	2,059	1,087	972
Protecting offshore systems from Cyber Threats	-	-	-	-	10	(10)
SUT + Chartership Event	-	-	-	-	300	(300)
This is SUT	-	-	-	470	21	449
Gadgets and Widgets 2023	-	-	-	1,545	627	918
London						
LSE Pub Quiz	1,303	792	511	1,704	1,227	477
LSE Eve Mtg Nov 2024	80	460	(380)	-	-	-
LSE Eve Mtg May 2025	310	476	(166)	-	-	-
LSE Eve Mtg Sep 2024				247	129	118
Newcastle						
NoE Pub Quiz 2024	614	568	46	-	-	-
Biometrics and Biofueling	-	-	-	50	25	25
Subsewa Imaging and VR	-	-	-	129	51	78
NoE Eve Meeting June 2024	-	-	-	104	33	71
UAE						
Road to COP28/Renewables	-	-	-	2,112	297	1,815
Why Subsea Industry Data Matter for COP28	-	-	-	1,088	85	1,003
HVDC Systems	-	-	-	1,599	326	1,273
	£143,281	£49,445	£93,836	£864,613	£437,979	£426,634

5. Other income

	Unrestricted Funds	Restricted Funds	Total 2025	2024
	£	£	£	£
Sundry income	97	-	97	683
Fees for services	2,500	-	2,500	-
	£2,597	£ -	£2,597	£683

6. Investment income

	2025	2024
	£	£
Charities Official Investment Fund		
Dividends received	6,361	6,223
Bank interest		
Interest received	12,809	5,831
	£19,170	£ 12,054

7. Analysis of expenditure on charitable activities

	Note	Unrestricted Funds	Restricted Funds	Total 2025	2024
		£	£	£	£
Direct charitable expenditure					
Grants payable to individuals	8	8,482	2,918	11,400	10,400
Other direct charitable expenditure	9	336,766	-	336,766	726,117
		£345,248	£2,918	£348,166	£ 736,517

8. Grants payable

	Unrestricted Funds	Restricted Funds	Total 2025	2024
	£	£	£	£
Undergraduates	8,082	1,918	10,000	8,500
Postgraduates	-	-	-	-
Awards	400	1,000	1,400	1,900
	£8,482	£2,918	£ 11,400	£ 10,400

9. Other direct charitable expenditure

	Unrestricted Funds	Restricted Funds	Total 2025	2024
	£	£	£	£
Accountancy	5,919	-	5,919	3,559
Examiner's/Auditor's remuneration	3,600	-	3,600	6,500
Bank charges	3,441	-	3,441	3,806
Conferences and seminars (Note 4)	49,445	-	49,445	437,937
Publications, journals and newsletters	15,943	-	15,943	4,540
Computer maintenance	13,002	-	13,002	10,995
Depreciation	1,719	-	1,719	1,154
Insurance	2,215	-	2,215	2,025
Travel	6,941	-	6,941	8,656
Marketing and advertising	15,232	-	15,232	20,575
Postage	199	-	199	135
Professional fees	6,360	-	6,360	6,695
Staff recruitment and training	834	-	834	132
Salaries (note 11)	201,098	-	201,098	206,975
Stationery and office expenses	7,356	-	7,356	7,824
Subscriptions	-	-	-	451
Telephone	1,747	-	1,747	1,682
Software licences	1,715		1,715	2,476
	£336,766	£-	£336,766	£726,117

10. Analysis of support and governance costs

The charity initially identifies the costs of its support functions. It then identifies those costs which relate to the governance function. The table shown overleaf details the analysis of these support and governance functions. These values are included in the costs shown in note 9.

	General Support	Governance Function	Total	Basis of apportionment
	£	£	£	£
Independent examination fee	-	3,600	3,600	Wholly attributable
Accountancy fee to IE	-	5,919	5,919	Wholly attributable
Bank charges	3,441	-	3,441	Wholly attributable
Committee expenses	-	-	-	Usage allocation
Computer maintenance	1,760	-	1,760	Allocated on time
Depreciation	516	-	516	Allocated on time
Insurance	665	-	665	Allocated on time
Postage	20	-	20	Usage allocation
Software Licences	1,715	-	1,715	Wholly attributable
Staff recruitment and training	250	-	250	Allocated on time
Salaries	60,329	-	60,329	Allocated on time
Stationery and office expenses	4,351	-	4,351	Usage allocation
Telephone	349	-	349	Usage allocation
Marketing	3,046	-	3,046	Apportioned equally
	£76,442	£9,519	£85,961	

Where not otherwise stated, support costs as shown above have been calculated on a pro rata basis in line with the staff salaries allocation.

11. Staff costs

	2025 £	2024 £
Staff costs:		
Wages and salaries	180,669	185,441
Social security costs	14,862	16,571
Defined contribution pensions	5,567	4,963
Other staff costs	-	-
	£ 201,098	£ 206,975

The average number of employees, analysed by function was:

	2025	2024
Direct charitable activities	4	2
Management and administration of the charity	2	2

The Trustees did not receive any remuneration or reimbursed expenses during the year. (2024: £3,428)

Total employee benefits of key management personnel amounted to £87,888 (2024: £90,296).

Employees earning more than £60,000 during the year:

	2025	2024
£80,001 - £90,000	1	-
£90,001 - £100,000	-	1

12. Taxation

The Society is a registered charity and, therefore, no tax liability arises on the results for the year to the extent that income and gains are applied to the Society's charitable objects.

13. Tangible fixed assets

	Office furniture and equipment £	Computers £	Total £
Cost			
As at 1 July 2024	4,477	48,020	52,497
Additions	-	1,719	1,719
Disposals	-	-	-
As at 30 June 2025	4,477	49,739	54,216
Depreciation			
As at 1 July 2024	4,196	46,375	50,571
Charge for the year	229	1,490	1,719
On disposals	-	-	-
As at 30 June 2025	4,425	47,865	52,290
Net book value at 30 June 2025	£ 52	£ 1,874	£ 1,926
Net book value at 30 June 2024	£ 281	£ 1,646	£ 1,927

14. Fixed assets investments

14.1 Summary

		2025		2024	
		£ Cost	£ Valuation	£ Cost	£ Valuation
a)	Charities Official Investment Fund	39,659	220,911	39,659	231,463
b)	Listed investments	2,106	783	2,106	495
c)	Redwood Bank 1 Year Bond	85,000	85,000	-	-
d)	Bank of Scotland Fixed Term Deposit	85,000	85,000		-
		£211,765	£ 391,694	£41,765	£231,958

14.2 Movements on investments

	2025 £	2024 £
Market value at 1 July	231,958	214,106
Additions	170,000	-
Transfers/Disposals	-	-
Gain/(Loss) on revaluation	(10,264)	17,852
Market value at 30 June	£ 391,694	£ 231,958

14.3 Reconciliation of movement in unrealised gains on investment assets

	2025 £	2024 £
Unrealised gains at 1 July	190,193	172,341
Realised gain on disposal	-	-
Unrealised gains/(losses) in year	(10,264)	17,852
Unrealised gains at 30 June	£179,929	£ 190,193

15. Publications stock

	2025 £	2024 £
Books for resale	£7,863	£18,532

16. Debtors

	2025 £	2024 £
Trade debtors	36,932	20,684
Prepayments and accrued income	25,374	934
Other debtors	3,252	3,252
	£ 65,558	£ 24,870

17. Creditors: Amounts falling due within one year

	2025 £	2024 £
Trade creditors	3,868	6,491
Deferred income	56,448	31,697
Social Security and other taxes	6,450	9,516
Accruals	15,830	11,249
Other creditors	5,291	3,655
VAT	3,726	-
	£ 91,613	£62,608

17.1 Deferred income included in creditors due within one year

	2025 £	2024 £
Opening balance as at 1 July	31,697	391,550
Deferred in the year	(25,435)	(391,327
Released in the year	50,186	31,474
Closing balance as at 30 June	£ 56,448	£ 31,697

Income is deferred when it has been either invoiced or received in the current financial year but relates to future periods.

18. Limited liability of members

In accordance with the Memorandum and Articles of Association, Fellows, Individual Members and Corporate Members (but not Associate Members and Student Members) are deemed to be Members of the Society within the context and as such have a limited liability of £5 per member in the event of the Society being wound up.

19. Fair value reserve

The unrealised gains table shown in note 14.3 represent the value of the Fair value reserve held within the General Fund.

20. Related party transactions

The total amount of donations received without conditions from trustees during the year was £nil.
Key management personnel remuneration is disclosed at note 11.

There are no other disclosable related party transactions during the year.

21. Restricted funds

	Balance 30 June 2024 Restated	Incoming Resources	Movement in Fund Expenditure and Gains/(losses)	Transfers	Balance 30 June 2025
Society for Underwater Technology Educational Support Fund	-	1,918	(1,918)	-	-
Mike Cook Marine Site Investigation Award	-	1,000	(1,000)	-	-

The Education Support Fund was established to provide educational grants to students. The original restricted funds have all been expended. The Society continues to collect small amounts for the fund during the year at events and through the Just Giving platform. The amounts collected during the year are fully expended during the year.

The Mike Cook Marine Site Investigation Fund makes an annual award which recognise industry professionals who have made a significant contribution to Marine Site Investigation and Characterisation, covering the broad disciplines of Geophysics and Geotechnics.

22. Comparative Statement of Financial Activity

	Note	Unrestricted Funds 2024	Restricted		Total 2023 £
Income					
Donations and legacies	2				2
Income from charitable activities:					
Memberships, conferences and events	3				308
Income from other activities:					
Other incoming resources					163
Investment income	6				6
Total income					£ 318
Expenditure					
Expenditure on charitable activities:					
Charitable activities	7				288
Total expenditure		£736			£288
Net income / (expenditure) before gains / (losses) on investments					29
Net gains / (losses) on investments	14.3				6
Net income / (expenditure)					36
Transfers between funds					
Net Movement in Funds					36
Reconciliation of funds					
Total funds brought forward					292
Total funds carried forward		£ 689			£ 328

THE SOCIETY FOR UNDERWATER TECHNOLOGY LIMITED

England & Wales - Charity number 256659

Accounts



SUT
Society for Underwater Technology

Annual Report
2023-2024

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President's Foreword



President:
Benj Sykes

December 2024 marks the end of my first year as President of the SUT. As a newcomer I've enjoyed a world of discovery working with SUT Council, staff, Branches and Special Interest Groups, learning about the wide range of activities organised and supported by the Society. Alongside the busy programme of activities, I've also been seeing how the SUT works with other industry bodies, the number, scope of expertise and interests of the Society's many much-valued volunteers, and have seen through SUT's digital publiation *Big Blue World* and the *Underwater Technology Podcast* just how diverse – and expert – our members are.

Meeting members, and particularly those who volunteer with the SUT, I frequently ask, 'Why are you a member of a Branch or Special Interest Group?' The responses are about sharing knowledge, learning, educating, giving back to industry colleagues, and opportunities to network with others in their disciplines and regions. There are also frequent mentions of the community of underwater professionals, a place to talk about technology, science, engineering challenges, the opportunities for innovation, and the skills gaps that we'll need to fill to meet the needs of a very different future to what we've all been used to up to now.

As a learned society it can be difficult to articulate the value proposition of membership in the SUT to those who are used to working with trade associations and professional bodies. Education, training, the multi-disciplinary community that comprises the SUT providing access to training from industry experts, sharing expertise and best practice, technical evenings – just some of the ways in which I see the Society delivering value for its members. And there's great power in being 'one SUT' – whilst some of our members bay only be involved in one Branch of Interest Group, we're all members of the same, global Society and have access to the whole of SUT, no matter where you're based.

During the 2023-2024 year the calendar has been full of events in-person and online, training courses, conferences and exhibitions where members have come together to talk about technical challenges, innovations, ocean careers, marine science and more as well as networking meet-ups, pub quizzes and social events.

The SUT's largest event, the OSIG 2023 conference was a sold-out event with 600 international delegates, more than 250 presentations over three days producing a three-volume set of proceedings and a surplus in our 2023-2024 budget which will fund new initiatives and developments for the SUT. My congratulations to the conference committee including the Chair, Toby Powell, Finance and Sponsorship, Mick Cook, Secretary, Peter Allan, and all of those on the technical committee who contributed hours of their time to deliver this world-class conference. I would also like to thank all the conference sponsors whose support for the OSIG conference provided delegate places for students, student helpers for the conference and travel and financial awards to the student Poster finalists from the USA, Australia and the UK. Professor Richard Jardine delivered an informative and engaging McClelland Lecture ***(Click here to watch the lecture)***. Proceedings from the conference are available to view online in case you missed the event: ***click here to view on Ingenta***.

Alongside OSIG 2023 we've seen successful conferences around the world, including Houston, Perth and China – thanks is due to all our SUT colleagues who helped make these events so successful. 2023 saw the 12th Annual China conference taking place

President's Foreword

contd.

in Haikou bringing together academics, universities and industry involved in maritime affairs in China with an international audience.

A highlight for me was this year's Oceanology International conference, which brought together ocean practitioners from across the world, with a remarkable 7527 visitors to the Excel over the three days of the Conference. SUT played a central role in the technical conference, the side sessions both on and off the exhibition floor, UXO in the Marine Environment, Women in Industry and Ocean Careers, which all attracted full audiences. The Captain Don Walsh for Ocean Exploration, a joint award with MTS, was presented to Professor Peter Girguis, Harvard University. It was a pleasure to meet Peter, Kelly Walsh, the late Don Walsh's son and listen to Peter's inspiring presentation where he shared his passion and dedication to increasing our understanding of the deep-sea biome. I was delighted to have the opportunity to contribute to Catch the Next Wave as a speaker and panellist. A great couple of days!

Turning back to SUT matters, this year Council has undertaken a Strategic Review and planning for the future of the Society. The Strategy Working Group, ably chaired by Past President Ralph Rayner, has produced an excellent framework and plan for SUT's future as the global energy transition gathers pace. This strategic work will be key to ensuring SUT continues to thrive and remain deeply relevant in this changing world.

As part of the Strategic Review, I was surprised to learn that SUT shares members with over 40 organisations, associations, institutions, guilds, councils, societies, and livery companies, such is the diversity of SUT membership. We know that working with others is in the best interests of our members and wider industry and I would particularly like to mention our mutually supportive engagement with the Global Underwater Hub, IMCA, IMarEST, OES, MTS and EAGE. SUT's outreach and industry support has been far-reaching, including a presence at All-Energy, Offshore Europe, Ocean Business, Subsea Expo, ADIPEC in Abu Dhabi, MCE-DD in Amsterdam 2024 and Subsea Technology East Mediterranean in Cyprus. New to the SUT has been the collaboration with EAGE, with joint workshops in Boston, Massachusetts and Perth, Australia through the course of this year, and with a planned workshop in Newcastle in 2025. We value the opportunity to contribute and be present at these conferences and exhibitions.

As a Society looking towards our 60th Anniversary, there is much work to do to grow our engagement and membership amongst students and developing professionals. Feedback from the ESF judges always touches on the excellence of the applicants. The committees for developing professionals, SUT+, YES! and YP demonstrate the passion, potential and commitment for all those involved in ocean careers in the now and in the future.

Reflecting on SUT over 2023-2024, there are too many people to thank, but I'd like to take the opportunity to recognise our Chair of Council, Sue John, SUT Past, President Moya Crawford, all those who volunteer and serve the SUT, and of course our excellent team of SUT staff in the UK and in SUT-US and Perth, WA.

I hope to meet you in 2025.

Officers and Council 2023-2024

President
Benj Sykes

Chair
Sue John

Immediate Past President
Moya Crawford

Honorary Secretary
Iain Knight

Honorary Treasurer
Mick Cook

Secretary to Council/CEO
Cheryl Burgess

Members

M Theobald (until May 2024)
N Swift (until May 2024)
D M Saul
R E Luff (until Dec 2023)
I Knight (until Dec 2023)
A Connelly (until Dec 2023)
N Carey (until Dec 2023)
M A Atmanand (until Dec 2023)
G J Whitehead (from Dec 2023)
M Stemp (from Dec 2023)
T H A Sloane
R F Rayner
J A I Patten
J Morgan
S Elkhatib
S V Duffield (from Dec 2023)
A Elkadi (from Dec 2023)

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Marketing & Events Assistant
Ellaria Ibraheem
Marketing & Events Assistant
Claire Van Poecke

Awards 2023-2024



New Fellow

Benj Sykes

Lennard-Senior Prize

Awarded to Deborah Greaves in recognition of outstanding individual achievement in the field of Marine Renewable Energy. Since its inception in 2017, Deborah has been Director of the £9m Supergen Offshore Renewable Energy (ORE) Hub. Deborah has consistently pioneered the development of new technologies in offshore wind, wave and tidal power. Deborah has led high-profile national and international initiatives designed to ensure such technological advances can be applied in real-world scenarios to help meet the country's future clean energy demands.

President's Award

Awarded to Mr Ali Hynd, Deputy Principal of Mintlaw Academy, and the pupils of Mintlaw ROV. Mintlaw Academy have provided educational opportunities that Mr Ali Hynd and his colleagues and supporters at Mintlaw Academy have helped create. The innovation, entrepreneurship and enthusiasm in running this highly professional, technical, youth business is one that puts many fully fledged companies in the shade. The shared President's Award is presented in recognition of the wonderful platform that Mintlaw Academy have helped create, not just for themselves, but the pupils that follow them.

Captain Don Walsh Award for Ocean Exploration

Jointly awarded by SUT and MTS (the Marine Technology Society) to Peter Girguis. Peter Girguis' prolific career is dedicated to increasing understanding of the animals and microbes that thrive in the deep sea. His profound dedication lies in advancing deep-sea exploration to expand humanity's understanding of the natural world.

The Mick Cook Marine Site Investigation Award

Presented to Tor Inge, the Mick Cook Award recognises significant contribution to marine site investigation and characterisation with a focus on geophysics and geotechnical engineering. The inaugural winner of the award, Tor Inge Tjelta, is an extremely worthy recipient, having contributed hugely to our industry over the past 40+ years.



ABOVE: Peter Gigruis (centre) receives the Captain Don Walsh Award for Ocean Exploration at Oceanology International in London



ABOVE: Cheryl Burgess (L) presents the Lennard-Senior Prize to Deborah Greaves at All-Energy, Glasgow



LEFT: Tor Inge (R) receives the Mick Cook award for Site Investigation, presented by Mick Cook at the SUT OSIG International Conference in London

BELOW: President's Award winners Aly Hynd (L) and the ROV Club of Mintlaw Academy, with Sue John, Cheryl Burgess, Moya Crawford, and Andrew Connelly at Subsea Expo, Aberdeen



Council's Summary of Activity 2023-2024

Earlier this year was the 4th anniversary of the start of the Covid pandemic, and the ensuing lockdown, it is hard to believe how much our lives changed and how long we will have to live with the longer-term impacts of what happened. Thankfully the SUT continues to rebound and our activities and events over this last year are reflective of this return to a more recognizable normality and growth.

Of particular note was the running one of the SUT's premier events, the 9th edition of the International OSIG Conference "Innovative Geotechnologies for Energy Transition" held in September 2023 in London. I know how much effort goes into organizing this event and making it the success that it is.

In recent years, the SUT Council has been focused on financial matters, then the pandemic, but this was the year when the Council focus shifted to the future and how the SUT can embrace the opportunities ahead of it. It is of course important that Council remain reflective of the SUT membership if it is to guide the SUT in the years ahead and ensure the continued vibrancy of the Society.

Membership Summary

Corporate Members 137
Individual Membership 1734

Category	2024	2023
Hon. Fellows	9	9
Fellows	90	90
Full members	673	576
Students	102	78
Corporate individuals	860	793
Total	1734	1546

Table 1

Strategic Review

In my previous report, it was announced that the SUT was initiating a Strategic Review of the aims and activities of the Society; the purpose of this review is to ensure that the Society is positioned to seize the opportunities resulting from the growth of the ocean economy and ensure the SUT's continued relevance as a learned society in the years ahead.

The SUT Council formed a Strategy Working Group (SWG) to perform the Strategic Review on behalf of the SUT. The primary objective of the SWG has been to guide the SUT's response to the changes that are occurring across the ocean economy as it transitions in response to pressing environmental, societal and economic challenges, as well as in recognition of the impact of emerging technologies.

Initial deliverables for the SWG are the Strategic Framework and Strategic Plan; to then be followed by an implementation plan. I know the Strategy Working Group welcomes the contribution of members and especially our younger members who represent the Society's future.

Financial Summary Unrestricted Fund (£)

Category	2024	2023
Income	1,087,057	318,209
Expenditure	736,517	288,416
Surplus/ (deficit)	350,540	29,793
Transfers to restricted fund	-	-
Gain/(loss) on investments	17,852	6,240
Retained surplus/ (deficit)	368,392	36,033

Table 2

Membership

One of the main drivers for the Strategic Review is to ensure that membership of the Society continues to be of value to our members both individual and corporate. We do not take the support of our existing members for granted and need to ensure they continue to see value in their membership.

Individual membership of the SUT experienced growth because of the OSIG conference and the differential conference fees for members and non-members. We hope that individuals joining the SUT for this reason will continue to see value in SUT membership. Corporate membership is steady. However, there is some flux in these numbers depending on when organisations renew their membership.

Our recently formed special interest groups on Marine Environmental Science and Unexploded Ordnance continue to establish their presence and have developed new members from these sectors including new members from the offshore windfarm operators and representation from SMEs and academia as well as contributing to conference programmes.

The SUT Council thank everyone who has renewed their membership, the new members, and the efforts of all who have volunteered and worked so hard to keep SUT going this last year.

Council's Summary of Activity

contd.

Training

This last year has seen the SUT's in-person training courses re-assert their popularity over virtual options. The added value of physical attendance at training courses is clearly recognised by our members for the greater opportunities to interact with both the course instructors and other attendees. The USP of SUT training courses are the expertise of the presenters together with the courses site visits cannot be under-estimated.

This year, the SUT has run multiple Subsea Awareness Courses as well as the sell-out Introductory courses to Offshore Geophysics & Geotechnical Engineering and the Offshore Wind course. In addition, a training course for Metocean for Renewable Energy was run during the year. The Metocean course is intended to be a regular addition to the SUT training course offering. The strong response to these courses identifies both an ongoing need but also an appreciation of the added benefits of in-person courses. Going forward there is space for both virtual and in person training courses to suit audience location and their availability.

Whilst the number of online webinars has prolifarated, the Aberdeen SUT+ and ECOSIGG committees have developed their own distincitve offering and regularly attract significant attndee numbers of online attendees.

Awards

The inaugural Mick Cook Marine Site Investigation Award, open to global marine site investigation professionals, was awarded to Tor Inge Tjelta for significant contributions to geophysics and geotechnics.

The President's Award was shared by Mr. Ali Hynd and the ROV Club of Mintlaw Academy for inspiring students and fostering engineering skills in the subsea industry.

The Lennard-Senior Prize was awarded to Professor Deborah Greaves for outstanding achievements in Marine Renewable Energy and advancing clean energy technologies.

The Captain Don Walsh Award was presented to Dr. Peter Girguis for pioneering research on deep-sea organisms and developing methods to study methane-consuming microbes.

More information on the awards and some photos can be found on pages 6-7 of this Annual Report.

Finances

A summary of the Society's accounts and financial statements for 2023-2024 has been included in the Annual Report. SUT acting Honorary Treasurer, Mick Cook, will present the Report and Financial Statements at the Society's AGM.

The Unrestricted Fund at 30 June 2024 amounted to £697,218 compared with an amount of £328,826 at the end of the previous year, including donations and legacies, allowing for gains on investments.

Educational Support Fund

A report for the year ending 30 June 2024 from the Educational Support Fund Management is included in this Annual Report. The financial statement regarding the Educational Support Fund appears in the annual accounts Statement of Financial Activities as part of the Society's Charitable Activities including Income and Expenditure Account.

I. Knight, Honorary Secretary 24th October 2024

Registered Office: c/o Nunn Hayward, 2-4 Packhorse Lane, Gerrards Cross, Buckinghamshire SL9 7QE

Chair's Report



SUT Chair of Council, Sue John

As I conclude my term as the elected Chair of Council with this AGM and report, I am once again amazed by the dedication of SUT volunteers, who have generously given their time during an incredibly busy year.

A glance at the Society's events webpage reveals just how active our special interest groups and branches have been, organising a wide range of professional, networking, and social events, from conferences and technical evenings to webinars, podcasts, and the revival of SUT Branches. Over the past year, they've delivered more than 15 training sessions, 32 technical meetings, 25 social events, and 15 conferences/workshops, along with site visits and contributions to SUT publications.

I must also acknowledge the invaluable contributions of our volunteer training course presenters. Not only do they deliver our industry-recognised courses, but they also help develop the content, ensure it remains current, and contribute to the delegate programmes. Additionally, I would like to thank the member companies that host site visits for course delegates, as well as for SUT+ and ECOSSIG activities.

I extend my heartfelt thanks to all members who generously give their time and expertise to support the Society in achieving the successes I've highlighted. Of course, the SUT's strength doesn't lie with volunteers alone—we are also fortunate to have a dedicated team of staff. Their work is crucial to the Society's future, with staff based across three continents—in Perth, Western Australia; Houston, Texas; and here in the UK. Whether they are managing our finances, promoting events, coordinating memberships, or simply providing support when needed, their efforts ensure the smooth running of the Society's operations worldwide.

Finance and Accounts

Before approving the 2023-2024 budget, SUT Council members recognised that the 9th OSIG Conference, held in London in September 2023, would generate a significant surplus for the Society. Sponsorship for the event was secured early, starting in the 2022-2023 financial year, and delegate registrations exceeded targets by mid-2023, with the event selling out prior to the registration deadline.

The 2023-2024 accounts also reflect the strong performance of SUT's training courses, including the Subsea Awareness Course in Aberdeen, the Offshore Wind Course in Newcastle, the OSIG course in Southampton, and the online Metocean course for offshore renewable energy. Each contributed to the Society's surplus.

Additional sponsorship for various SUT events helped keep costs down for members, allowing some events to be free or cost-neutral, with pricing for chargeable events reflecting member benefits. I would like to extend my gratitude to all the sponsors who supported SUT events over the past year.

Conferences

The 9th International OSIG Conference, which had been postponed due to Covid, made a highly successful return in 2023. Thanks to the hard work of the OSIG organising committee, led by Conference Chair Toby Powell, and the support of SUT staff, the event was a sell-out with global attendance. I would also like to acknowledge the contributions of Mick Cook and Mike Fearn for their efforts in managing the conference finances and securing sponsors, helping to further establish OSIG as a globally recognised brand. A total of 412 abstracts were

Chair's Report

contd.

submitted, with 250 accepted, leading to three full days of presentations to standing-room-only audiences. Plans are already underway for the next OSIG Conference in September 2027.

OSIG was not the only event in 2023/2024. SUT's presence was felt across various conferences and exhibitions, including the Autonomous Marine Technology Conference, SPE Offshore Europe, ADIPEC, the Annual Salvage, Decommissioning and Wreck Removal Workshop in Glasgow, Subsea Expo, Oceanology International, MCE-DD, AOG Perth, Subsea Technology Eastern Mediterranean, All-Energy in Glasgow, and The Combined Naval Event in Farnborough.

Importantly, the Society does not operate in isolation. Throughout the year, we have collaborated with key industry organisations, including the Global Underwater Hub and the International Marine Contractors Association. We also partnered as the Learned Society with RX, DMG, and Endeavour B2B to support major industry events, contributing to their technical programmes and side sessions.

Strategy Working Group

In July 2023, the SUT Council established a limited-term Strategy Working Group (SWG), co-chaired by Ralph Rayner and Nick Swift. The purpose of this sub-committee is to develop a long-term Strategic Framework and Strategic Plan to guide the Society's future growth in service of its members and in line with its charitable aims.

This initiative has brought together international perspectives on key strategic themes, and I extend my thanks to all participants in the working group. There are no quick or simple solutions to the challenges the SUT will face in the coming years, but we eagerly anticipate the completion of the Strategic Framework and look forward to your feedback.

As we approach SUT's 60th Anniversary in 2026, we encourage members to contribute their ideas for events and meetings. Please share your suggestions with SUT CEO, Cheryl Burgess.

Educational Support Fund

The Society's Educational Support Fund (ESF) awarded scholarships in 2023 to undergraduate and postgraduate students across various disciplines, including engineering and environmental science. Graduating recipients from the 2023-2024 period include Erin Nicholson, Bartol Sikora, Ryan Lin, and Francesca Fehlberg, all of whom are pursuing marine and subsea-related careers.

Awards

The Society remains committed to recognising exceptional contributions to our industry sectors, as well as inspiring achievements.

The inaugural Mick Cook Award for Marine Site Investigation celebrates excellence in marine site investigations and characterisations across the global disciplines of geophysics and geotechnics. This year, the award was presented to Tor Inge Tjelta at the OSIG 2023 conference, where the judging panel acknowledged his innovative contributions to offshore site investigations and geotechnical engineering, highlighting his integrated geological, geophysical, and geotechnical approaches in complex project settings.

The President's Award was awarded to Ali Hynd, an inspirational teacher at Mintlaw Academy in Aberdeenshire, for his dedication to the school's ROV club, where students design and build their own remotely operated vehicles. Through his efforts, Ali is helping to nurture the next generation of professionals in robotics and subsea engineering. We commend all teachers whose passion ignites curiosity and encourages students to pursue careers in our beloved industries.

Additionally, the Lennard-Senior Memorial Prize was presented to Professor Deborah Greaves, OBE, at All-Energy in Glasgow, recognising her outstanding individual achievements in the field of Marine Renewable Energy.

Finally, Dr Peter Girguis, a Professor of Organismic and Evolutionary Biology at Harvard University and Adjunct Oceanographer at Woods Hole Oceanographic Institution, received the prestigious Captain Don Walsh Award for Ocean Exploration at Oceanology International in March 2024. Described by his peers as "the epitome

Chair's Report

contd.

of a deep-sea explorer" and "a man for all ocean seasons," Peter's contributions to ocean exploration are truly commendable.

Communications

The Underwater Technology Podcast, hosted by Martin Stemp and produced by Emily Boddy, continues to deliver engaging and informative episodes for members and those with an interest in underwater technology, marine science, and subsea engineering. If you haven't already, I highly recommend tuning in—downloads have now exceeded 28,600.

In addition, members have access to our quarterly newsletter, *Big Blue World*, as well as *UT2* and *Underwater Robotics* magazine. I encourage all members to contribute news, articles on innovation, project updates, or thought pieces for inclusion in Big Blue World.

This year, I would like to recognise the exceptional contribution of one staff member in particular. Our Membership and Finance Officer, Jane Hinton, has just completed 30 years of service with the SUT. Initially joining as a temporary employee, Jane's potential was quickly recognised, leading to her becoming a permanent and invaluable member of the team. As the key contact for membership enquiries and finance, Jane's professionalism and meticulous management of the Society's accounts have been outstanding. While retirement may eventually call, we are fortunate to have her continued dedication and expertise, and we extend our deepest thanks for her remarkable service.

Lastly, I want to express our gratitude to our corporate members, whose sponsorship underpins the efforts of our volunteers. Over the past three years, we've seen the Society bounce back from the challenges of the Covid pandemic, launching a new branch in the Eastern Mediterranean and revitalising our Norway branch. Interest in new branches, training courses, and innovations continues to grow, with our Special Interest Groups playing a crucial role in advancing science and technology.

Thank you to all SUT staff, volunteers, corporate members, and sponsors for making this success possible.

Branch reports



Aberdeen Branch

www.sut.org/branch/aberdeen



Andrew Connelly

Committee
Chair Andrew Connelly
Vice-Chair Paul Slorach
Treasurer Calum Hayton
Training
Graham Whitehead
Branch Events
Chris Wallace
Projects Euan Fowler

Keith Anderson
Ace Awaad
Sylvain Denniel
Martin Harley
Ross Ingram
David Warren
Co-Opted Committee (9)
Dr Ibiye Iyalla
Dr Srinivas Sriramula
Paul Benstead
Martin Brown
Doug Combe
Louise Mearns
Daniele Petrone
Scott Duncan
Bill Gray

It has been a challenging year for the Aberdeen branch, but one that represents a busy period in industry.

We have had a very successful calendar of Subsea Awareness Courses. The week-long course is targeted at new entrants to the subsea industry, includes guest presenters as subject matter experts from the industry, and site visits to get up close to subsea technology such as trees, ROV's and umbilical manufacture.

Aside from this, Aberdeen branch has held a slimmed down program of knowledge sharing and networking events.

Branch Committee Changes

The committee has seen the following changes over the past 12 months

- Chris Wallace of Verlume has stepped into the Events Lead role.
- Ace Awaad of Impact Subsea and Ross Ingram of Exail have joined the elected committee.
- Scott Duncan of 2H Offshore has joined the committee as co-opt.

Please join me in congratulations to Chris, Ace, Ross, and Scott.

Shruthi Sivadasan of Wood stands down from the committee, we wish Shruthi well and thank her for her exceptional contribution to SUT and SUT+.

The strength of the branch is very much dependent on the input of the volunteer committee members, who give up personal time and day-job time to ensure that the various branch initiatives are delivered to the benefit of the Society, and both its existing and future members. I have been very pleased to have been supported by the team over the past year.

This year we also saw Events and Training Manager, Jacqui Adams, depart form the SUT after eight years with the organisation. Thank you to Jacqui for all the support and assistance over this time. This was a UK role, but Aberdeen very much benefitted from Jacqui being local and providing exceptional organisation and professionalism to SUT activities. However we are very pleased to welcome Clare Parisi, who joins as Events and Training Officer, we are looking forward to working with Clare to deliver high quality training courses, events, and other initiatives.

2023-2024 Branch Activities

In this past year we have been had a reduced calendar of knowledge sharing meetings, but we were pleased to run the ever-popular Gadgets and Widgets event, and the Market Outlook Business Breakfast.

We have provided a series of Subsea Awareness Courses, all with excellent delegate feedback indicating appreciation of the content, industry experts delivering material, and site visits giving unparalleled insight into these aspects of industry.

Our annual jointly hosted event in collaboration with The Hydrographic Society and the International Marine Contractors Association (IMCA) took place in November 2023. This featured with a theme of environmental sustainability of offshore operations – can we operate traditional energy basins as cleanly as possible?

Finally the AGM this year was held alongside the inaugural Aberdeen Branch Pub Quiz. Congratulations to "Give Me A Minute" who took the trophy. We will

Aberdeen Branch

contd.

be planning the AGM and Pub Quiz again for this coming January.

In Aberdeen, we are incredibly lucky to have an active SUT+ branch. This team continues to provide an incredible programme of webinars, site visits and career development support for the next generation of engineers, whilst themselves being early in their respective careers. Going forward, SUT+ is planning to maintain annual delivery of a chartership workshop, careers workshop, a site visit, and an annual pub quiz. Upcoming, there are plans for webinars on topics of offshore floating wind, and site investigation for offshore wind. A vessel visit is currently (at time of writing) in planning for the turn of the calendar year.

Both the SUT and SUT+ are always happy to hear from industry members who are interested in joining either committee, to help deliver on our various initiatives for the benefit of the industry.

Keep an eye on ***sut.org/branch/aberdeen/*** for updates, or get in touch at ***aberdeen@sut.org***.

Australia Perth Branch

www.sut.org/branch/perth



Brett Phillips

Committee

Chairman Brett Phillips
Vice Chair Mark Casey
Treasurer Leanne Geneve
Secretary Bukkie Orugun

Matthew Allen
Nicole Austin
Mark Casey
Michael Cocjin
Paul Farquharson
Leanne Geneve
Rasoul Hejazi
Farjana Jahan
Shane Kirkbride
Bukkie Orugun
Brett Phillips
Emilien Rulence
Liam Salter
Paul Upjohn
Keith Wallace
Iain Wylie

The SUT Committee has been able to deliver its programs and core services for the duration of this year. The financial statements for SUT Perth Branch for the year ending 30 June 2024 positively reflect this.

Perth Branch Committee

SUT Perth Committee members continue to provide enthusiastic, imaginative, and creative support to the branch bringing in a fresh outlook with great ideas. We would like to thank all committee members for their efforts in enabling us to reach our goals. We are indebted to the 2023 and 2024 committee groups:





For the 2025 committee onwards the Rules of Association have now been altered to ensure a Committee member's term will be from their appointment until the second next AGM constituting two years per term. (No more than half of the committee members can be changed at the AGM). A committee member will be eligible for re-election to the Committee after serving two years.

This rotation of committee members will ensure fresh ideas and enthusiasm

Australia Branch

contd.

which are essential to maintaining a vibrant Society; however, it also allows us to retain a core of experience to ensure continuity of our overall vision.

Current Perth Branch Sub-Committees: (bold indicating sub-committee lead)

- Advertising: **Michael Cocjin**; Steve Duffield; Keith Wallace
- AOG 2024: **Julie Morgan**; Matt Allen; Brett Phillips
- AMT 2025 : **Mark Roberts**; Keith Wallace; Mark Casey; Steve Duffield
- Annual Dinner: Shane Kirkbride; **Leanne Geneve**; Mark Casey; Matt Allen
- Branch Support: **Paul Upjohn**; Paul Farquharson
- Course Review: **Paul Farquharson**; Liam Salter, Brett Phillips; Leanne Geneve; Iain Wylie
- Decom / Salvage: **Paul Farquharson**; Brett Phillips; Emilien Rulence
- Engagement: **Matt Allen**; Iain Wylie; Emilien Rulence; Nicole Austin
- Evening Technical Meeting/AGM: Paul Upjohn; Bukkie Orugun; Michael Cocjin; **Matt Allen**; Iain Wylie
- Finance: Fiona Allan; **Brett Phillips**; Leanne Geneve; Mark Casey; Bukkie Orugun
- Golf Day: Steve Duffield; **Shane Kirkbride**; Farjana Jahan
- HSE: **Brett Phillips**; Leanne Geneve; Paul Farquharson; Farjana Jahan
- Immerse 2025: **Emilien Rulence**; Brett Phillips; Liam Salter
- Membership: Steve Duffield, **Bettina Silvert**; Iain Wylie
- Mentoring: **Mark Casey**; Shane Kirkbride; Brett Phillips; Rasoul Hejazi
- METAR – Marine Energy Transition and Renewables (New): **Iain Wylie**; Matt Allen; Keith Wallace; Alex Henderson; Mark Casey; Michael Cocjin; Nicole Austin
- Scholarships: **Farjana Jahan**; Liam Salter; Nick McNaughton; Julie Morgan; Phillip Manfield; Leanne Geneve
- Subsea Controls Down Under 2024 Conference: Mark Casey; **Paul Upjohn**; Harry Mackay; Harvey Smith; Norman O'Rourke; Julien Levadoux; Benjamin Roux, Minh Vo, Derek Thompson
- Subsea Engineering Accreditation: Afton Galbraith; Terry Griffiths; **Rex Hubbard**; Chris Merrick; Ewan Rowell; Chris Saunders; Ian Wilson
- SUT International Committee: **Brett Phillips**
- Curtin Uni Industry Advisory Committee: Christian Marocchi
- WA Societies: **Bukkie Orugun**
- SUT Council: Steve Duffield; Julie Morgan
- Training (with SUT UK): **Leanne Geneve**

SUT Perth Branch Events

The Perth committee and staff were very busy during the year with the following events being held during the year:

- 5 x Evening Technical Meetings
- 7x Courses (in person)
- 3 x YES! events
- 1 x AGM
- 2 x Social events (Annual Dinner & Golf Day)

Our 2023 Annual Dinner was held at the prestigious Westin Hotel in the city with 223 people attending. Wood;

Australia Branch

contd.

SEA Global and Atteris were the event sponsors, and we thank them for their continued support throughout a challenging year.





Conferences

The AMT Conference was successfully held in October 2023 at the Parmelia and was held over two days for the first time with 160 attendees



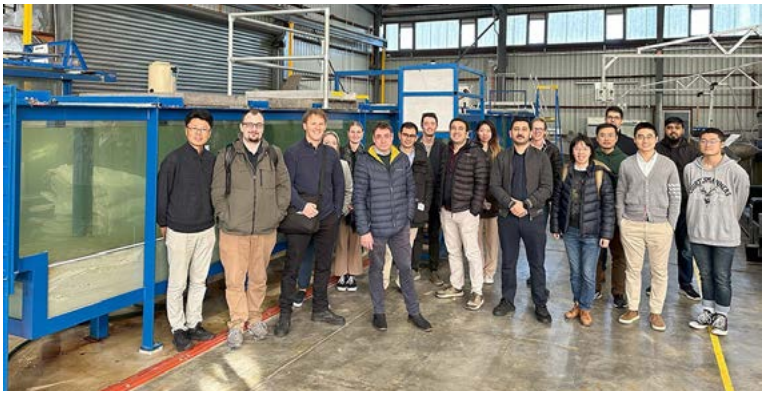


The AOG (Australian Oil & Gas) Conference and Exhibition was also held in March 2024.

Courses

The following training courses were run in person in the 2023/2024 year:

- 1 x Offshore Geohazards Course – July 23



Australia Branch

contd.



- 1 x Materials and Corrosion Course – July 23





- Subsea Awareness Course – September 23





Australia Branch

contd.

- 1 x Flexi Risers Course – November 23





- 1 x Positioning and Survey Course – March 24





- Subsea Awareness Course – May 24





Australia Branch

contd.

- 1 x Subsea Productions Systems Course - June 24





Evening Technical Meetings

The following technical meetings were held:

August 2023 ETM: Lifting and Laying (174 attendees)
Speakers: Jake Zammit, Andew Ripley and Evert van Herel
Sponsored by McDermott

October 23 ETM: Subsea Technology Delivering ESG: Technological advances in describing & monitoring impacts on submerged indigenous heritage, seascapes & marine fauna (69 attendees)
Speakers: Daniel Thomas, Keith Wallace, Iain Wylie

February 24 ETM: Reefs & Wrecks - MH370, WA Museum Search for Titanic (155 attendees)
Speakers: Phil Wells, James Florisson and Ryan Chatfield

April 24 ETM: Slicing and Dicing – Decommissioning (131 attendees)
Speakers: Dr Francis Norman, Vandana Crispin and Sean Husband
Sponsored by Atteris

June 24 ETM: Subsea Defence – AUKUS; Extra-large UUV and Advanced Marine Autonomy (107 attendees)
Speakers: Harry Hubbert, Mark Roberts and James Cooper- Maitland

The SUT Perth Committee is, as always, grateful to all presenters and ETM chairpersons for their generous time and efforts in making our Evening Technical Meetings such a success, and for those generous corporate members who support the evenings with their sponsorship.

Australia Branch

contd.

- August 2023 ETM





- October 23 ETM





- February 24 ETM





Australia Branch

contd.

- April 24 ETM





- June 24 ETM





Golf Day – September 2023

For our annual golf day, the SUT once again teamed up with the Society for Petroleum Engineers for a collaborative golf day. We changed the day to a Thursday and went to Wembley Golf Course for a fantastic day of golfing and networking was had by all that attended.

We had 72 for the event and 18 teams battled it out on the course before enjoying post game food and drinks whilst the prizes were awarded. A great day was had by all.

We are very grateful for the sponsors who made this possible – SEA Global; Geo Oceans and Sonomatic; and A60N.





Australia Branch

contd.









SUT Perth Sub-Committee Updates

Branch Administration

The 2023/2024 year saw Renae Drew leave pursuing a lecturing job at TAFE and Jade Melville being promoted to Events & Marketing Manager. Suzanne Thien still focuses on SUT Marketing as the Marketing and Events Assistant and has done a great job managing our social media platforms and compiling our monthly e-newsletters. January 2024 saw Ellaria Ibraheem join the SUT staff as an Events and Marketing Assistant.

These three events staff along with Fiona Allan who continue to effectively manage the branch administration, take great pleasure in coordinating and organising all our events, initiatives, administration, membership and accounts for the Perth branch of the Society from our West Perth location.

Branch Support

The Branch Support lead has held meetings with Malaysian SUT members in Malaysia.

Branch Initiatives

During the year, Perth branch continued / started with the following initiatives:

- Subsea Engineering Competency Framework continued
- Three more Scholarships offered in 2023

Australia Branch

contd.

- Making Donations to Not-for-Profit Organizations on behalf of our Speakers for courses and events
- Review of current courses offered and start of planning for a new Renewables Course
- New Sub-Committee commenced - Marine Energy Transition and Renewables (METAR) with monthly coffees now held to connect with others with interest in this

Branch Strategy

The committee regularly review the current Strategic Plan (2021-2025) with the Strategic objectives being:

1. Engage with Tertiary Institutions
2. Diversification of Membership
3. Be more Active in Knowledge Transfer
4. Value for Membership Money

Engagement

The strategy concentrates on continued engagement with our existing members to ensure we remain relevant whilst having a stretch target to engage two-three more organisations.

The focus points include:

- Canvass existing legacy members to understand how we can grow and how they can contribute.
- Increased Operator attendance at ETMs
- Provide training to companies who are employing graduates / less experienced personnel
- Stretch to grow our regular sponsorship base and increased membership numbers
- Continued Growth in diversification of SUT Perth branch.
- Continued Synergies with ETM, Engagement and Membership Sub-committees
- Engagement with retired members/members looking for work (how can they contribute / benefit from)

Finance

SUT Perth Branch maintains being in a surplus in the 2023-2024 financial year of approximately $AUD 46,000 after a prior year surplus of $AUD 10,000

This was mainly due to:

- Being able to hold a successful AMT Conference and AOG in the 2023/2024 financial year
- Being able to hold even courses during the financial year

An audited Income and Expenditure Statement for the year will be forwarded to Council following the finalization of the audit in October 2024.

Marketing

The digital marketing principles implemented since March 2022 have led to further improvements in both the visual and communicative aspects of our online presence. We've successfully maintained a strong, cohesive brand identity across all platforms, ensuring our messaging resonates effectively with our target audience.

Our social media engagement has seen a steady increase, driven by well-crafted posts that align with industry trends. Additionally, the layout of our email campaigns has been refined to enhance readability, ensuring our members can quickly grasp key messages.

We've also transitioned some of our printed forms to a digital PDF format, allowing delegates to complete them electronically. This shift aligns SUT-Perth with the digital age, enhancing the user experience.

Membership as at 30 June 2024:

We finished the year slightly worse than we started. Free hardship membership was offered (had to meet certain criteria) but few took this up.

Australia Branch

contd.

Perth Branch Membership	June 2024	June 2023
- Individuals	86	84
- Fellows	13	12
- Corporate - Local and Global w rep here	43	41
- Students	73 (free)	29 (paying)

Remote Members:

- Malaysia, New Zealand; New South Wales; Victoria, South Australia and Queensland

The substantial change in student membership is as a result of now offering free Student Membership to increase the take up.

All new Individual and Corporate members are approved by a Membership Sub-Committee.

Mentoring Programme (SUT-SPE-SEA-PESA-PCWA-ASEG-WISE)

SUT ran the Mentoring programme for the 2020/2021 financial year. It is currently being run by SEA. (The mentoring program is run in conjunction with other similar societies in Perth on a yearly rotating basis.)

OSIG Perth Overview and Events

OSIGp stands for "Offshore Site Investigation and Geotechnics Perth", which is a special-interest group of the SUT with interests covering the area of the so-called 4G's: Geology, Geophysics, Geomatics and Geotechnical Engineering.

Established in 2012, the OSIGp Committee currently comprises 14 members from various backgrounds (primarily operators, consultants and academics). The committee term is two years.

As part of its remit, the committee actively pursues and organises technical and also non-technical activities that are of interest to its network with the committee's events in 2023-2024 including:

- a very successful OSIGp Offshore Geohazards Course July 2023 at UWA with 18 attendees
- an online OSIGp Carbon Capture event August 2023
- an online OSIGp Prize Night Jan 2024

The Committee is also actively collaborating with other OSIG groups based in the UK and Houston, for example in establishing technical guidance notes on various 4G-related topics.

Thanks goes to all the 2023/2024 OSIGp committee members for their time, enthusiasm and hard work.



Australia Branch

contd.

Scholarship Awards

SUT Perth branch has continued with our policy of supporting students studying relevant courses in Australia and displaying a strong interest in continuing into a career or further studies in underwater disciplines.

We have now awarded 77 scholarships since 2007. This year we awarded three scholarships and are pleased at the continued and positive uptake of scholarships by the student fraternity. Scholarship recipients were

Marine Renewable Energy Scholarship sponsored by Aurora Offshore Engineering:	Aidan Archer
Digital Automation in Engineering Scholarship sponsored by SEA:	Lachlan Bird
Chris Lawlor Scholarship to the Most Outstanding Candidate:	Rachel Newsome







Subsea Engineering Competency Framework Project

The initiative by SUT (Perth Branch) in conjunction with industry is for Subsea Engineering to be recognised as an Area of Practice (AoP) by Engineers Australia (EA)

SUT provides the basis for technical assessment in the AoP of Subsea Engineering and supports EA with the technical assessment of submissions for recognition in the AoP of Subsea Engineering.

The benefits are a career planning tool and personal recognition as a competent subsea engineer, which is recognised in Australia and Internationally. The launch for this programme was held in June 2021. For 2022/23, nine engineers were accredited under this programme.

YES! (Young Engineers & Scientists)

YES! was formed in 2013 to build a community of young subsea professionals, promoting collaboration and networking to ultimately drive the future of the subsea industry.

The Purpose of SUT YES! is to:

- Promote awareness of subsea industries and link in with universities
- Provide and support professional development of young professionals, students and scientists in subsea industries
- Provide opportunities for networking and informal mentoring for young professionals, students and scientists in subsea and related fields

During the year the subcommittee successfully held the following events:

- YES! Technical Breakfast October 2023
- YES! Lawn Bowls March 2024
- YES! Quiz Night May 2024

In addition to events, YES! Committee members have promoted SUT membership and events at universities,

Australia Branch

contd.

supported SUT Mentoring and have a large involvement in the SUT Scholarship program.

YES! currently has two annual sponsors, Woodside and Santos. Many thanks to these generous sponsors. The YES! sub-committee members' effort and time has been immense throughout the past year and we thank them for that. The current YES! committee members are for a two-year term and are:



SUT The Year Ahead

The Perth branch of SUT will continue with their five-year Strategy plan 2021-2025:

1. Engage with Tertiary Institutions
2. Diversification of Membership
3. Be more Active in Knowledge Transfer
4. Value for Membership Money

All of the above new activities will support the growth of the Society. In the background our committee members will continue to develop existing and new content, leads and opportunities for collaboration with other Societies and engagement with other industries with an interest in underwater technology.

The budget for 2024/2025 has been approved by the Finance Committee with a surplus expected. We are looking to run a full calendar of events for 2024/2025.

Sincere thanks are given to the Members, Sponsors, Presenters, Office Bearers, Committee, Sub-Committees and SUT Staff during the year. It has been a pleasure to be the Perth Chair for the last year and I wish the new Chair and the 2025 SUT Committee all the best.

Brazil Branch

www.sut.org/branch/brazil

From July 2023 to June 2024, the activities of the SUT Brazil Branch have been based on two seminars and one workshop. The Seminar and Workshop organized by the Offshore Renewable Energy Group from COPPE/UFRJ strongly emphasized offshore renewable energy and low-carbon hydrogen. In addition, the Seminar about Research in Progress on Ocean Engineering allowed undergraduate and graduate students to present their research in progress in the area of Ocean Engineering.



Prof. Segen F. Estefen

Committee

Chair Prof SF Estefen
Secretary Prof M Vaz
Treasurer T Netto
Executive Manager
VC Santos

C Bonfim Silva
P Couto
E Labanca
E Nakagawa
C Paulo
M Teixeira

Events from the Offshore Renewable Energy Group

Seminar - Integrating Renewable Sources in the Energy Matrix: OFFSHORE WIND, MARINE ENERGY AND RENEWABLE H2

10 July 2023, 9-11am, Auditorium Block C, Centre of Technology, Federal University of Rio de Janeiro (UFRJ)

Speakers:

- Stefan Pfenninger - Delft University of Technology
- Milad Shadman - GERO/COPPE/UFRJ
- Roberto Schaeffer - CENERGIA/COPPE/UFRJ
- Rodrigo Guimarães – EPE
- Paula Borba – ITA
- Segen Estefen - GERO/COPPE/UFRJ

Audience: In-person 40; Online: 60

Workshop on Offshore Wind and Hydrogen

5 December 2023, 9am - 5pm, Hotel Windsor Florida, Flamengo, Rio de Janeiro

Main Participants:

- Patricia Naccache - Ministério de Minas e Energia - Departamento de transição energética
- Hugo Leal - Governo do Estado do Rio de Janeiro - Secretário de Energia e Economia do Mar
- Daniel Faro – Petrobras - Gerente geral de geração renovável
- Gustavo Andrade - Empresa de pesquisa energética (EPE) - Superintendente Adjunto
- Katherine Dykes - DTU Wind and Energy System - Head of DTU Totalenergies Excellence Center for Clean Energy
- Segen Estefen - Instituto Nacional de Pesquisas Oceânicas (INPO) - Director-General
- Paulo Emílio Miranda – Brazilian Hydrogen Association (ABH2) - President
- Milad Shadman - Offshore Renewable Energy Group (Gero/Coppe/UFRJ) - Professor
- Amy Robertson – NREL - Head of Offshore Wind System Design & Tool Validation
- Sylvain Jouhanneau - EDF Renewables Brazil & Latam - Head of the Emerging Business Department

Brazil Branch

contd.

- Marco Wiedijk - Principle Power
- Kevin kinsella – ERM - Head of Dolphyn Project
- Sérgio Pinheiro – ABH2 - Vice-president
- Marcio Auada – CUMMINS – Engineering Executive Manager
- Jean-Paul Joarlette - Burckhardt Compressors – New Business Manager
- Adriano Valle - White Martins - Business Development Manager

Audience: In-person 120; Online 145

Seminar - Research in Progress on Ocean Engineering

National Petroleum Agency Program on Human Resources. Auditorium Block C, Centre of Technology, Federal University of Rio de Janeiro (UFRJ), 23-30 October 2024, 9 - 11am.

Average Audience per day: 70 people

Day 1: 23 October 2023

- Emerson M. de Andrade – A swarm of wave energy converters working as breakwaters
- Lidiane Q. dos Santos – Capture of Cold Water for OTEC Systems
- João Paulo M. dos Santos Bernardino – The use of a smart estabilizer to support the installation of subsea equipment
- Bruno Vaz Silva – Numerical assessment of the technical feasibility of the floating unit concept SUBFIXA for deep water.

Day 2: 24 October 2023

- Gabriele Silva – Methodology for risk analysis of oil spill during the decomissioning of offshore platforms
- Erika B. A. Henrique – Current turbine moved by VIV for subsea operation.
- Caio dos Santos de Menezes - Steel Tubes with longitudinal damage repaired by carbon and epoxi composite under compressive loading.

Day 3: 25 October 2023

- Renata Mont`Alverne B. C. Martins – Methodology for the analysis of a wave energy converter based on hydrogenerators.
- Ryan Fernando de Abreu Duarte – Fuel consumption based on the use of algorithm of machine learning.
- Giulia S. Creazola - A swarm of wave energy point absorbers for FPSOs protection.
- Giulia Elvira A. S. Carvalho – Noise prediction in support vessels using machine learning.

Day 4: 26 October 2023

- Gabriel Wellington de Almeida – Structural behaviour of rigid pipes with corrosive damage submitted to loading associated with the decomissining “S-lay reverse”.
- Henrique A. O. Santos - Vibration virtual measurement in pumps using machine learning.
- Felipe Araujo Thomaz – Failure prediction in the fuel injection system of diesel motors using machine learning.
- Pedro Lucas Fonseca de Sena – Numerical modeling of the fabrication process of pipes type MLP.

Brazil Branch

contd.

Day 5: 27 October 2023

- Victor Hugo Fagundes Peclat – Manouvre analysis for fluvial train.
- Janaina A. Monteiro de Castro – Tests using autonomous aquatic robots using algorithm SWARM.
- Vinícius Almeida de Oliveira – Study on the dynamics of a manifold during installation.
- Caio Henrique Manganeli – Application of data science in inspection planning of subsea pipelines based in risk.

Day 6: 30 October 2023

- Caroline de Oliveira Castro – Development of a deep learning model for the monitoring of refined oil transportation in the Amazonia rivers.
- Laryssa Silva – Numerical and experimental analyses of a wave converter controlled by a lachting system.

China Branch

www.sut.org/branch/china



ZHANG Yu

Committee

Chair ZHANG Yu
Founder Chairman
DUAN Menglan
Chairman Emeritus
Frank LIM
Technical Advisors
ZHOU Shouwei
ZENG Hengyi
CUI Weicheng
Secretary HE Yangye
Treasurer ZHANG Yu

AN Chen *(Beijing)*
AN Weizheng *(Beijing)*
BAI Xinglan *(Zhejiang)*
CHANG Yuanjiang *(Qingdao)*
FU Guangming *(Qingdao)*
LIANG Xu *(Zhejiang)*
SHEN Yijun *(Haikou)*
WAN Decheng *(Shanghai)*
XU Liangbin *(Zhuhai)*
XU Wanhai *(Tianjin)*
YAN Jun *(Dalian)*
YANG Zhixun *(Harbin)*
ZHANG Dagang *(Qingdao)*
ZHANG Changzhi *(Shenzhen)*
ZHENG Hao *(Changsha)*
XIE Peng *(Zhuhai)*

SUT China branch successfully organized the 12th International SUT (China) Technical Conference in Haikou, China, during 27th-30th October in 2023, in conjunction with China University of Petroleum (Beijing). The conference was hosted by Hainan University.



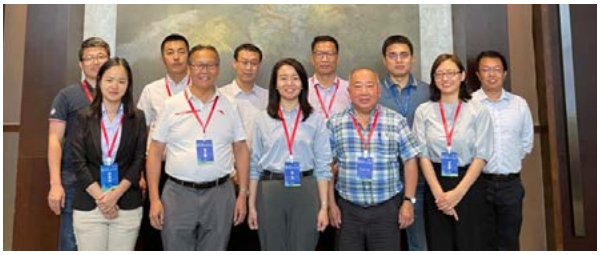
The conference was opened by Prof. Zhang Yu, the chairman of the China branch of the Society for Underwater Technology (SUT) and China University of Petroleum (Beijing). Prof. Zou Yonghua, the vice president of Hainan University, delivered a speech at the opening ceremony, and Prof. Shen Yijun, the dean of the school of marine science and engineering of Hainan University, served as the executive chairman of the conference.

With the theme of "Marine Resources Development", this technical conference focussed on underwater technology, offshore engineering equipment, marine mineral resources and renewable energy development and utilization. More than 200 experts and scholars, graduate students from Brazil, United Kingdom, Malaysia, United States, and other countries, China National Offshore Oil Corporation, China Ship Scientific Research Center, ABS Classification Society (China), China Classification Society, more than 50 universities, research institutes and enterprises in the field of offshore engineering attended the conference.

On October 28, the invited keynote presentations were given by Zhang Laibin from China University of Petroleum (Beijing), Segen Estefen from Federal University of Rio de Janeiro, Duan Menglan from Tsinghua University, Frank Lim from 2H Offshore, Cui Weicheng from Westlake University, Gao Fuping from Institute of Mechanics in Chinese Academy of Sciences, Zhang Aman from Harbin Engineering University, Yan Jun from Dalian University of Technology, Tao Chunhui from the Second Institute of Oceanography in Ministry of Natural Resources, Noor Amila from University Technology Petronas, and so on. On the second day of conference, the professors, experts, engineers,







China Branch

contd.

and students presented their latest research achievements in four technical sessions.

The Annual General Meeting was held on October 29th, 2023. Prof. Zhang Yu gave a general overview of the re-election and expansion of the executive committee of the SUT China branch. The conference will continue to retain the services of academician Zhou Shouwei, academician Zeng Hengyi, and Prof. Cui Weicheng as advisors. Prof. He Yangye from China University of Petroleum (Beijing) will replace Prof. Sun Ting as the secretary of the SUT China branch. The principles of the executive committee expansion of SUT China branch are decided following the professionalism, coverage, and representation of the underwater technologies. On behalf of the executive committee of the SUT China branch, Prof. Zhang Yu expressed the sincere gratitude to Prof. Shen Yijun from Hainan University and his team for their hard work and outstanding contributions to the conference. After discussion, all the committees agreed that the 13th SUT (China) Technical Conference is going to be held in Tianjin, China, dates to be decided.



Eastern Mediterranean

www.sut.org/branch/eastern-mediterranean/



Dan Hayes

Committee

Chair Dr Daniel Hayes
ViceChair / Secretary
Dr Nicolas Droushiotis

John Charalambides
Demetris Hadjigeorgiou
Mohamed Medany

The East Mediterranean Branch of the SUT has had an exciting and productive year, marking several significant milestones as we continue to foster growth, engagement, and collaboration within our community.

Key Activities and Events

STEM 2024 Participation

Our branch was represented at STEM 2024 by John Charalambides, who was one of three presenters at the Technical Workshop held prior to the conference. His contributions highlighted our commitment to promoting technical excellence and knowledge-sharing in underwater technology.

First Social Event in Nicosia

On 3rd October 2024, we hosted our first social event in Nicosia, attended by around 50 subsea professionals, academics, and students. This event offered an invaluable opportunity for networking and building connections within our local underwater technology community.

We were honored to have the SUT Chair, Sue John, travel from the UK to support this event, underscoring the importance of our branch's development and the broader commitment of SUT leadership.

New Corporate Member: Fugro

In October, we welcomed Mohamed Medany as Fugro's corporate member representative in the area, and we look forward to collaborating on future initiatives.

Annual General Meeting (AGM)

Our Annual General Meeting is planned for December 2024. This gathering will provide an opportunity to reflect on our progress, discuss future goals, and engage with our members in meaningful ways.

Upcoming Technical Event with Fugro

We are organising our first technical event, which will feature a presentation by Fugro on geophysical, geotechnical, and environmental base surveys. This event will include a technical presentation followed by a social networking hour, and is tentatively scheduled for December 2024 or January 2025.

Looking Ahead

As we move into 2025, the East Mediterranean Branch is committed to expanding our program of events, fostering professional development, and strengthening the network of underwater technology professionals across the region. We are excited to build on this year's achievements and continue making impactful contributions to the field.

London & South of England Branch

www.sut.org/branch/london

SUT LSE is a stable branch of SUT. We are realistic regarding the amount of events that we can put on. There are constraints with costs of venues in London but we counter this by working with our corporate members and utilising their facilities wherever possible. Our subcommittees help sharing work load with a different coordinator for each event.



Richard Binks

Committee

Chair Richard Binks
Deputy Chair
Keith Broughton
Hon Treasurer Iain Knight
Legal Advisor
Simon Hems

Mark Pickering
George Varelis
Antonia Corr
Harry Henly
David Gawen
Alex Rimmer
David Newman
Julian Tucker
Spencer Clark
Scott Gower

Sub-Committees

Events Team: Responsible for Technical meetings and social events. Within this group individual events have a designated leader in a project manager.

City Team: Responsible primarily for running the Lunch and Learns events in the London. These events are always important, linking both our regional expertise in the insurance world with subsea engineering community.

Liaison Team: Responsible for reaching out to other SUT Special Interest groups (SIGs). This team includes the important liaison with the Education and Training SIGs.

Marketing Team: Responsible for branch publicity via social media, LinkedIn *etc.*

Membership Team: Responsible for maintaining and developing our individual and corporate membership.

Event Venues

Lunch and learns are held in corporate member offices in the City. Our target is to hold 3-4 events a year including an annual industry forecasting.

For evening events, we have two church hall venues, one at Christchurch in Woking and one in at St Johns church near Waterloo. These are low cost but convenient venues. The Woking event is host to presentations from SUT corporate members in the west London "hub".

For the last two years we have held successful seminar type events at Beazleys head office in Bishopgate, London. These are longer events with three presentations on related topics followed by discussion kindly hosted by Beazleys.

Our aims are to hold 4-5 evening events a year.

Events held:

As a committee there is a focus on energy transition. Events held at Beazley's office have both been on Carbon Capture topics. The UK government has given a go-ahead to carbon capture projects, so we are planning more events to discuss the technologies and strategies of storing and transporting carbon dioxide.

Future events planned include all aspects of offshore renewal energy *ie* wind, wave, tidal and blue hydrogen.

In September we held a joint technical presentation on subsea technologies for enhanced operations focussing on firstly automated pig launchers and secondly renewable subsea power using a wave energy source and subsea battery.

In March we held a lunch and learn hosted by Lloyd Warwick to discuss another important topic: the environmental impact of subsea mining.

Our annual quiz night was as successful as ever and held in November at Ye Olde Watling in London. With our socials we are adjusting to our tighter lower risk budget against progressively higher costs of any formal event in London.

London & South of England Branch

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Training

Running training courses is an important revenue stream for SUT. Unfortunately to run the course needs more time to coordinate our requirements with SUT's training group. We still have training requirements that have potentially good returns. There is a key requirement for industry investors to understand the technologies and for insurers to better understand subsea equipment risks.

Early Career development

Helping and encouraging members in their early careers is still vitally important. We felt that the best way to do this was to encourage them to be part of our sub committee structure rather than having a separate SUT+ committee. Encouraging their professional development within subsea technology is an important part of knowledge sharing within SUT.

Membership

Maintaining our membership levels is our lifeblood. Hopefully active committee members act as SUT catalysts within their companies, posting meeting notices and encouraging event attendance. Corporate members need regular SUT updates to show that we continue to offer added value in return for the membership investment. We also develop ties to other professional groups such as Lloyds U35s and other Societies that include the Offshore Engineering Society and The Hydrographic Society.

Summary

As ever, the LSE branch is indebted to its committee members for ideas and the energy to drive us forward. We are grounded as a team, understanding our capabilities and capacities as volunteers. We now have tried and tested venues and so have an excellent base to achieve our targeted events.

Malaysia - Kuala Lumpur

www.sut.org/branch/malaysia-kuala-lumpur/

After a hiatus of almost three years caused by the worldwide Covid-19 lockdowns, we re-activated the SUT KL Branch in 2023. The first meeting took place on Wednesday 10 August in Changkat, a place popular with oil and gas professionals in KL.

Subsequent meetings took place regularly, on the second Wednesday of each month.

The current Executive Committee was formed in June 2024 and has been active in promoting the SUT monthly events to the oil and gas, offshore renewables and other communities involved in subsea activities. Notice of meetings are published in LinkedIn as well in an SUT-dedicated WhatsApp group.

Regular Events

The list of regular SUT KL Branch meetings during 2023-2024:

- 14 August 2023
- 13 September 2023
- 11 October 2023
- 13 December 2023
- 10 January 2024
- 28 February 2024 – to coincide with OTC Asia 2024 conference
- 13 March 2024
- 10 April 2024
- 8 May 2024
- 12 June 2024
- 10 July 2024

Planned Events for 2024-2025

We made arrangements to provide projector, screen and sound system at our regular meeting place to enable technical presentations by companies interested in raising their profile in Malaysia. We will also explore opportunities for lunch and learn sessions.



Marian Copilet

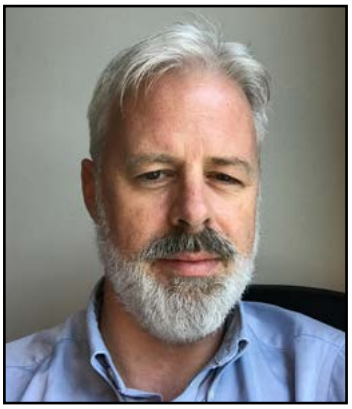
Committee

Chair Marian Copilet
Secretary Jasmine Shim
Treasurer David Trees

Kalaivarma Marimuthu
Sudeep Suresh
Ruben Ratna Kumar
Jeyanthi Ramasamy
Derek Thomson

Middle East Branch

www.sut.org/branch/middle-east



Adrian Phillips

Committee

Chair Adrian Phillips

Dubai

Graeme Chalmers
Steve Goddard
Bob Morgan
Nawin Singh
Bedros Mardikian
Anand Menon
Ashish Rawal
Chris West
Ross Anderson
Lesya Kramarenko
Pat Carey

Abu Dhabi

Richard Richards
Russell Harper
Mark Thomer
Katherine Ferguson
Anthony Quick
Scott Steven
Killian Palop
Jeff Dean
Ibtessam Hasan
Carl Petter Halvorsen

ADIPEC 2023 in many ways marked a coming of age as DMG (ADIPEC event organizers) gave us a prime position in the Offshore, Marine & Logistics zone and they were eager to re-engage this year for 2024. Chairman Adrian Phillips, Ashish Rawal from SS7 and Nawin Singh at McDermott were all actively involved in the SPE technical session running during that week. Nawin and Adrian chairing session 12 on Installation, and Under Water Technology: EPRS, Asset Integrity.

Following "Road to COP28" where we explored the renewable energy mix and the offshore, marine and subsea contribution at KU's Research and Innovation Center on CO2 and Hydrogen we hosted a fascinating event pre Xmas 2023 during the week of COP28. The Nippon Foundation - GEBCO Seabed 2030 Project presented it's collaborative project to inspire the complete mapping of the world's ocean by 2030, and to compile all bathymetric data into the freely-available GEBCO Ocean Map. Alongside GEBCO, Horizon Geoscience and Fugro the region's leading subsea survey companies in two fascinating presentations talked about Seabed survey for coastal resilience and challenges in the Middle East.

Our biggest event this year I felt finally put SUT on the map was sponsored by ADNOC, where Prysmian, Hitachi and Jan de Nul presented the case for HVDC systems for Offshore Power Transmission in the MENA region made possible by our long term friends and supporters at Khalifa University in Abu Dhabi. ADNOC presented the case for DC *vs* AC for the electrification of their offshore facilities via Das Island, as well as the BOOT scheme a typical project finance model designed to finance such ambitious long term power generation schemes. Prysmian presented their ground-breaking cable designs, whilst Hitachi covered the onshore and offshore inverters and transmission infrastructure. Close to our world, Jan de Nul described the practical realities and challenges laying the subsea cables.

ADNOC, Aramco and Qatar Gas continue to release a stream of high value projects. The committee have come together only once since ADIPEC 23 to plan current and future events. Middle East remains a challenging domain for SUT type activity, without a legal entity, the recent project's surge, climactic challenges and the transient nature of the expatriate engineering community.

We continue to draw the committee from major players in the industry; major EPC (McDermott, Saipem and Subsea 7) and ADNOC. Otherwise, the committee has representatives from Ashtead, DCN BV, Fugro, Lloyd Warwick, Dolphin Energy, Motive, Prysmian, Baker Hughes, Horizon Geo, Unique, Dolphin Energy, CSub and the Tekmar Group. These companies are the subsea industry in the Middle East and all focused-on Aramco, ADNOC and QG (QatarGas) offshore activity in Saudi, UAE and Qatar. I continue to thank all for their continued energy and commitment.

We are out of the starting blocks in terms of development, supported by HQ SUT and we mark our sixth year anniversary in region at ADIPEC 2024.

North of England Branch

www.sut.org/branch/north-of-england

The North of England Branch meets on a bi-monthly basis. Over the last year, we held a series of technical sessions as well as a site visit to the DARA Centre at ORE Catapult, Blyth. Our membership includes students from local Universities as well as engineers and scientists from the local subsea engineering community.

The technical meeting programme began with the latest developments in Bio-mimetics and Bio-fouling research by renowned speakers Weichao Shi, and Chang Li, both of Newcastle University. They showed the performance increase possible when using nature-inspired design.

In March, the usual venue at Newcastle University (Armstrong Building) was switched to the newly revamped Stephenson Building. Underwater structures were shown in vivid colour, using the 360° screens. There was a great mix of people, including local students and professionals – many of whom studied at Newcastle University, given an overview of the latest in VR, SLAM and LiDAR technology.



Vahid Walker

Committee

Chair Vahid Walker
Honorary Secretary Dr Simon Benson
Treasurer Jon Greenwood

Dr Ian Frazer
Martin Bingham
Michael van Zwanenberg
Ken Chan
Anthony Harvey





In our annual site tour – we visited the DARE Centre for the first time. Our newest committee member Ken Chan gave an overview of the Catapult network, and how it engages with companies to help them validate and scale up their technologies.



Presentations from Andrew Ambrose-Thurman (SMD) and Dylan Jones (Kinewell Energy) gave excellent examples of the technology breakthroughs that can be achieved using the DARE Centre. They each discussed ROV "Over the Horizon Control", and "KLOC Software" for offshore wind CAPEX reduction.

In the season finale – we held our first North of England branch Pub Quiz. Despite some negative feedback (from the mic, not the audience), the event went

North of England Branch

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off without a hitch! The event had an excellent turnout, with teams from: Royal IHC (sponsors), Osbit, Bluefield Geoservices, DME Systems Ltd, Subco Engineering, Walker Subsea Engineering Ltd and PDL Group .

With prizes on offer (magnum of Prosecco & miniature) for the winner as well as last place team, there was a distinct competitive edge! In the end, the result was very close with Probably Dead Last (PDL cleverly circumventing the "no company team names" rule) pipping four is a crowd (who only had three players) to the winning position.

The branch continues to be hosted by Newcastle University's School of Marine Science and Technology. Our aim for the coming year is to restart the SUT+ group and increase the number of social events.

Finances

The North of England Branch finances are reported through the Aberdeen Branch P&L account. Our activities have been funded by membership fees and branch sponsorship received from local companies throughout the year.

Future Plans

This year the aim is to reinvigorate the branch. We plan to:

- Hold a series of evening meetings featuring challenging talks and topics
- Find new committee members
- Introduce new SUT corporate members
- Re-start SUT+
- Continued collaboration with other local Societies to further the cross-pollination of ideas and technologies along with some joint events.

The branch will exist to enthuse those already in the industry, inspire others to join it and spread the word to a younger generation about the opportunities and excitement of the sector.

Norway Branch

www.sut.org/branch/norway

The SUT Norway branch in the initial stages of relaunch efforts following years of dormancy. Efforts are currently underway to engage with potential Corporate Members to join, as well as individual members. It is hoped that launch event can be hosted towards the end of October or early November in Oslo where participants from industry can join and learn about SUT's remit and vision for the Norwegian branch. The intent is to have two nodes: one in Oslo and one in Stavanger. This is to better reach and service the various underwater industries in Norway.

The initial focus will be on targeting members from the offshore wind and oil and gas industries. Technical events will be planned for each of these. Firstly, we aim to resurrect the Subsea Awareness Course and hope to deliver this in the first half of 2025. Additionally, a technical seminar on offshore wind will be organised to promote the industry, particularly as the Norwegian Government announced the first lease award in 2024.

There will also be a focus on engagement with students in order to educate them about careers in the offshore sector.



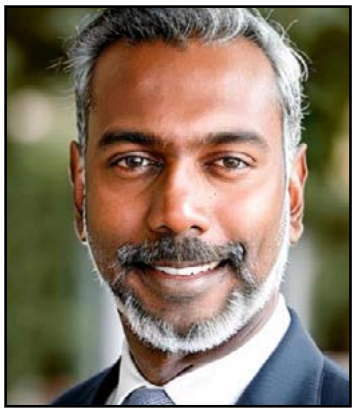
Sarah Elkhatib

Committee

Chair Sarah Elkhatib
Jonathan Bracher
Jack Rice

Singapore Branch

www.sut.org/branch/singapore



Raj Nagalingam

Committee
Chair Raj Nagalingam
Secretary Florie Mancel
Treasurer Jose Puig

Phillip Thomas
Che Keong Leo
Andrew Blears
Peter Nilson
Derek Donalson

This year, we at the Singapore Branch of the SUT have experienced a year full of activity, innovation, and growth. With James Christie's departure from SUT, our Executive Committee now comprises the dedicated members listed below. As part of our commitment to continuous improvement and transparency, we will be holding an Annual General Meeting (AGM) in December 2024 to re-elect committee members and welcome any new faces who wish to join us in advancing our mission.

Year-End Social Event

We held a vibrant year-end social event on December 7th, 2023, at Pemenco CHIJMES. It was a wonderful opportunity to connect with colleagues, celebrate the year's accomplishments, and strengthen our community.

Technical Evening

Our technical evening on May 16th, 2024, was a historic event, drawing the largest turnout in SUT Singapore's history. Held at the One Farrer Hotel, the evening featured insightful presentations from esteemed speakers: Darren Wong from Keppel Technical, Power & Renewables; Vu Tien Luc from NTU's AUV Team; and Andrew Wong from IMarEST. The high attendance highlighted the growing interest in underwater technology and the dedication of our members and guests to exploring this field.

SAUVC Sponsorship

We proudly sponsored the Singapore Autonomous Underwater Vehicle Challenge (SAUVC) held at Singapore Polytechnic from April 5-8, 2024, contributing $1,500 SGD in support. Raj Nagalingam was also invited to join the panel of speakers, sharing insights with students and aspiring professionals. SAUVC is Asia's largest underwater student robotics competition, endorsed by the United Nations' Decade of Ocean Science. This challenge brings together teams worldwide, tasking them with designing and building autonomous underwater vehicles capable of real-world applications. Launched in 2012, SAUVC continues to inspire students through workshops, panel discussions, and lectures from leading experts in marine robotics and autonomous systems. We are honored to support an initiative that builds essential skills for future innovators in this critical field.

Sponsorship Support

We're immensely grateful to the sponsors who have made it possible to deliver our activities in 2024. Thanks to the generosity of Elevate, Sonardyne, Ashtead, IKM, Arus Jaya, STR, Oceanscan, Norbit, and AOS Offshore, we are well-equipped to provide quality events, outreach, and opportunities for our members.

Looking Ahead

We're already preparing for an exciting technical evening on September 25, 2024, and our upcoming year-end social event in either November or December.

Future Plans

Looking toward 2025, we aim to expand our offerings with a Subsea Awareness

Singapore Branch

contd...

Course and are considering establishing bursaries for students. By investing in education and support for emerging professionals, we are building a foundation for future leaders in the field of underwater technology.

Meetings

This year, we held committee meetings on November 23, 2023, and May 30, 2024, to review our progress and plan for the future.

As we close another successful year, we remain committed to our mission of advancing underwater technology and are energized by the growth of our community. We look forward to a dynamic year ahead filled with learning, connection, and innovation. Thank you for your ongoing support and involvement in SUT Singapore.









US Branch

www.sut.org/branch/houston



Andy Hill



Tricia Hill



Dr. Rodolfo Sancio



Dr. Xiaoyan Long

Committee

Hon Chair & President
Tricia Hill
Hon President Elect
Andy Hill
Hon Treasurer
Dr. Rodolfo Sancio
Hon Secretary
Dr. Xiaoyan Long

SUT-US is overseen by an Executive Committee and embraces four technical committees: Offshore Site Investigation and Geotechnics (OSIG), Subsea Engineering and Operations Atlantic (SEO Atlantic), Robotics & Automation (R&A), and Marine Renewable Energy Committee (MREC). Additionally, there are three non-technical committees: the Young Professionals, Education, and Women in Industry Committees. Furthermore, SUT-US embodies four student chapters: Texas A&M University (SUT-TAMU), the University of Houston (SUT-SES-UH), Texas A&M University - Galveston (SUT-TAMUG), and the University of Texas at Austin (SUT-UT). These groups convene regularly with active participation. SUT-US also organizes monthly in-person Networking Events on the first Thursday of each month.

SUT-US staff is comprised by Mrs. Patsy Rhymes who assumes the coordination of in-person events, sponsorship and booth participation on local and regional events; Mrs. Mariana Diaz who is responsible for the coordination of online events, online marketing, overall communications for the Branch, as well as supporting editor, accounting assistant, newsletter and website information.

Executive Committee

- Chair - Tricia Hill 2022-2024
- New Chair Elect - Andy Hill 2025-2027
- Treasurer Officer - Dr. Rodolfo Sancio, Geosyntec Consultant
- Secretary - Dr. Xiaoyan Long, Fugro USA Marine, Inc

Maria Ancheril
X. Sam Guo
Heather Cousson
Colin Johnston
John Allen
Jan Van Smirren
Jon Halliburton
Alison Tóth
Don Schlater

Karen Perez *New Appointed Executive Committee Member*
Zack Westgate *OSIG Chair*
Andrew Haigh *School Touring Chair*
Faisal Yousef *Robotics and Automation Chair*

Roneet Das *Young Professionals*
Mark Siegmund *Past SUT Chair*
Zenon Medina-Cetina *Past SUT Chair*
Keshawa Shukla *SEO-Atlantic*
Tina Drexler *New Appointed Executive Committee Member*

Damilola Abe *Education Committee Chair*
David Emery *New SUT-TAMU Student Chapter Chair*
Mary Zhao *New SUT-UT Student Chapter Chair*

US Branch

contd.

Summary of Key Activities at the SUT-US Branch (1 July 2023 - 30 June 2024)

Innovative Geotechnologies for Energy Transition – Student Poster Competition:



Zack Westgate, Elizabeth Hamilton University of Massachusetts, Johanna Tatum Texas A&M University and Andy Hill



Rodolfo Sancio, Zack Westgate, Xiaoyan Long, Cheryl Burgess, and Andy Hill

Offshore Technology Conference OTC:

- May 6-10, 2024 – SUT-US celebrated Luz Zarate for her Emerging Leaders Class Award and Kerry Campbell for the OTC Distinguished Award at the Offshore Technology Conference (OTC) in Houston, TX



Luz Zarate - Shell
Emerging Leaders Class Award



Kerry Campbell
OTC Distinguished Award

Subsea Awareness Course:

- September 11th – 14th, 2023 | Attendees: 19



- March 25th – 28th, 2024 | Attendees: 9



US Branch

contd.

Floating Wind Solutions Conference:

- January 30th – February 1st, 2023

Networking Events & Other

We held our monthly Networking Events at various venues, including Memorial Wine Cellar, Red Lion, Watson's House of Ales, Union Kitchen, Kirby Icehouse, Velvet Oak Tavern, Texas T Tavern, and others.



Mariana Diaz, Patsy Rhymes, Tricia Hill, Zenon Centina -Medina, and Damilola Abe



Victoria Mant, Chirstopher Curran, William Taggart, Tricia Hill, and Colin Johnson



SUT-US Offshore Wind Drinks



Adnan Djeffal, Muhammet Cuneyt Sakonder, and Patsy Rhymes



Christopher Curran, Cheryl Burgess and Andy Hill

Cheryl Burgess visit to the Houston Office and TAMU 10-year anniversary celebration:

Houston, Texas recently played host to a momentous occasion as Cheryl Burgess, the esteemed CEO of the SUT, embarked on a multifaceted journey. Her visit encompassed a series of events, including a dynamic networking gathering, the commemoration of the 10th anniversary of the TAMU Student Chapter, and meaningful interactions with SUT-US members and other Student Chapters. This trifecta of activities highlighted Cheryl Burgess' commitment to promote collaboration and celebrating the achievements of the underwater technology community.

US Branch

contd.



Cheryl Burgess, Keshawa Shukla, and Vy Le



Keshawa Shukla, Zenon Madina-Centina, John Allen, and Christopher Curran



Zenon Medina-Centina



Texas A&M Student Chapter

Offshore Site Investigation and Geotechnics (OSIG) Committee



Zack Westgate University of Massachusetts Amherst
OSIG-US Chair

OSIG-US is comprised of the following subcommittees: Short Courses and Learning Seminars and Webinars. The committee is comprised of 50 active Full and Associate members. The Officers are Zack Westgate (Chairperson) and Logan Brant (Secretary). Zack Westgate is the newly elected OSIG Chair, and transitioned to Chair in 2023 assuming the role fully in January 2024. His term is from 2023 through 2025. Logan Brant was re-elected to Secretary on 20 January 2023. His term will go from 2023 through 2025. This committee meets every quarter; Q4 October 27th, 2023, Q1 January 12th, 2024, and Q2 May 3rd, 2024.

US Branch

contd.

OSIG Committee Roster:

Full Members

Amanda Evans
Andrew Haigh
Andy Hill
Bob Gilbert
Chris McHugh
Christian Noll
Chuck Aubeny
Craig Shipp
Dan McConnell
Dan Spikula
Dianna Phu
Earl Doyle
Ed Clukey
Heather Cousson
Justin Bailey
Justin Carpenter
Kerry Campbell
Kim Faulk
Leonardo Macelloni
Logan Brant
Patricia Varela
Rob Little
Ryan Beemer
Shawn Williamson
Stephanie Watts Favreau
Victor Taboada
Xiaoyan Long
Zack Westgate
Zenon Medina-Cetina

Associate Members

Agatha Onuwaje
Alan Foley
Daniel Lanier
Deanne Hargraves
Diane Baxter
Elizabeth Andrews
Federico Pisano
Francisco Hernandez-Martinez
Jack Templeton
Jan Van Smirren
Jeong-yun Won
John Albertson
Niall Slowey
Nick Clark
Ning Luo
Patrick Lee
Peter Ramsay
Rania Aql
Roneet Das
Shengmin Luo
Shuang Hu
Stephanie Milne
Steven MacDonald

Meeting and Quality Presentations:

- **9th International OSIG Conference: Innovative Geotechnologies for Energy Transition** - Poster Finalists - Judges: Andy Hill, Rob Little and Patricia Varela – July 14th, 2023



Andy Hill, Rob Little, and Patricia Varela

- **9th International OSIG Conference: Innovative Geotechnologies for Energy Transition** – Participation of the USA branch – September 12th, 2023



Zack Westgate, Elizabeth Hamilton Winner of the Poster Competiton, Johanna Tatum, and Andy Hill



Rodolfo Sancio, Zack Westgate, Xiaoyan Long, Cheryl Burgess, Andy Hill

US Branch

contd.

- **Geoscience and engineering challenges for floating offshore wind**, presentation by Sanjay Arwade, Charles Aubeny, Xiaoyan Long, Dan McConnell, Prosepine Peralta, and Rodolfo Sancio, attendance 44 – November 2nd, 2023



- **OSIG Happy Hour to celebrate Kerry Campbell and Luz Zarate** for their recognitions Hosted by Andy Hill, attendance 15 – May 3rd, 2024
- **EAGE/SUT Workshop on Integrated Site Characterization for Offshore Renewable Energy** by multiple presenters, attendance 80 – May 22nd-23rd, 2024



US Branch

contd.

- **Pile run challenges and solutions for offshore wind development** by Zack Westgate, Federico Pisanò, Carl Erbrich, Bob Stevens, René Thijssen, and Asitha Senanayak attendance 75 – June 13th, 2024



Asitha Senanayak, René Thijssen, Federico Pisanò, Carl Erbrich, Zack Westgate and Mariana Diaz

Future Events:

- **Marine Mineral Panel** organized by Dan McConnell – October 17th, 2024
- **Floating offshore wind dynamic power cable** - Fall 2024
- **"Sediment scour and erosion of the seafloor"** by Ed Clukey – Fall 2024
- **"Efficiencies and challenges in offshore wind foundation design"** by Dr. Phillipe Jeanjean – Q1 2025

SEO Atlantic (& Europe) Committee



Keshawa Shukla, SEO-Atlantic Chair

The Subsea Engineering and Operations Atlantic (& Europe) Committee comprises 30 experts from various fields across the US, Canada, Mexico, and the UK. Members include representatives from Texas A&M University, TechnipFMC, McDermott, Wood, CIGoM, 2H Offshore, Subsea7, Intecsea, Saab Group, Husky Energy, Dominion Diving, Double Engineering, Angler Solutions, Fugro, Cyprus Hydrocarbons Company, and other subsea services and consultancy organizations.

Led by Keshawa Shukla (KP) SEO-Atlantic Chair, the SEO Atlantic holds monthly meetings featuring technical presentations and discussions on industry-relevant themes and potential learning programs. A significant focus is on the Energy Transition and the challenges posed by the Net Zero Technology Centre, driven by sectors in the

US Branch

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UKCS North Sea, Aberdeen, Norway, and the US. Key topics include carbon capture and storage, offshore wind, ROV/AUV, and digital twin projects.

SEO ATLANTIC Committee Roster:

Keshawa Shukla Chair
Alison Toth
Brian Skeels
Chad Fowlow
Charlie Reith
Cheryl Burgess
Chigozirim Cyprian Onyek
Chris Roper
Christopher Bridge
Colin Johnson
Joseph Wilhelmi
Juan Pablo Orozco Muñis
Maria Ancheril
Mike Paulin
Nicholas Pacewicz
Rick Hunt
Sam Guo
Steve Johnson
Xiaoyan Long

Meetings and Quality Presentations:

- Committee Meeting with guest speaker **Christopher Bridge**, presented **Digital Twins and Digitalization** – July 26th, 2023
- Committee Meeting with guest speaker **Joseph Wilhelmi** from Onesubsea, SLB, Houston presented **"The OSS/ Chevron Joint Project to Develop 20Ksi Production Equipment."**
- Committee Meeting with guest speaker **Juan Pablo Orozco Muñis** presented **"Mexican Underwater Glider"** – February 26th, 2024
- Subsea Tieback Meeting, San Antonio, TX, with booth participation – February 26th, 2024



Keshawa Shukla

- Committee Meeting with guest speaker **Mr. Jeff Whipple, Doris Group**, presented **"New Design Approach to Filling Gaps of Industry Codes for Submarine Power Cables"** - April 10th, 2024
- **Offshore Technology Conference (OTC24)** – Presentation on the **"Design of Offshore Green Hydrogen Production Systems Utilizing Offshore Wind Power Source"** - May 7, 2024



Keshawa Shukla, and Vy Le

US Branch

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Robotics and Automation Committee



Faisal Yousef
R&A Chair



Zheng Chen University of Houston
R&A Chair Elect

The Robotics and Automation Committee (R&A) is chaired by Faisal Yousef, P.E., Engineering Consultant / API Lead Auditor. Individuals from the following organizations committed membership: Schlumberger, SAAB, inRobotics, Kongsberg, Chevron, CANRIG, RBR Group, TAMU, UH CL, and Rice University.

R & A Committee Roster

Faisal Yousef Chair
Chen Zheng Chair Elect
Arnt-Helge Olsen
Byul Hur
D Fraser
Dabney James Bruster
Dave Gentle
Eric Levitt
Fathi Ghorbel
Francesco Bernardini
Javier Garcia
John Allen
Matthew Kowalczyk
Nathan Ehrenholz
Nick Tillamnn
Roneet Das
Wenyu Zuo

Meetings and Quality Presentations:

- **Argeo use of AUVs for Deep Sea Mineral Exploration** by Dave Gentle - August 25th, 2023
- **Committee Meeting** - October 20th, 2023
- **Canrig Robotics Presentation** by Hifzi Arnt Committee presentation - January 19th, 2024
- **Magnetic Sensing for Underwater Sensing** by Aaron Becker / Associate professor of Electrical & Computer Engineering, University of Houston – April 5th, 2024
- **Tightly coupled electric field, magnetic field, and photogrammetry measurements from ROVs and AUVs for inspection of subsea infrastructure by Matthew Kowalczyk**, Ocean Floor Geophysics Inc. (OFG) - June 21st, 2024



R&A Committee Meeting

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Future Events:

- University of Houston + SPRINT Workforce of the Future - Robotics in Energy organized by **Javier Garcia** and **Zheng Chen** – August 16th, 2024






Aaron Becker, Javier Garcia, Zheng Chen, and David Emery

- Lunch & Learn with **Matthew Kowalczyk** presenting some of the OFG technology, experiences and results of our non-contact Cathodic Protection inspection (iCP) system for AUV/ROV/HAUV – October 25th, 2024
- **Canrig Robotics** by **Hifzi Ardic** - Fall 2024

Marine Renewable Energy Committee (MREC)

Marine Renewable Energy Committee (MREC), this committee aims to provide a recognized forum for marine renewable energies, including wind, ocean currents, river, thermal, solar, and wave energies, along with their associated areas such as Research & Development, Design & Manufacture, Onshore & Offshore Construction, Installation, and Inspection, Maintenance & Repair. Its purpose is to promote best practices within the MREC committee's remit for the broader renewables industry, serve as a recognized learned body offering advice on technical issues to non-commercial organizations, and organize educational and training courses, workshops, seminars, and international conferences for the offshore industry to foster best practices and knowledge dissemination.

Within this group we have individuals from the following organizations: Geosyntec Consultants, Texas A&M University, University of Houston, Wood Group, Siemens, Fugro, Subsea, Power Engineers, Element, JDR Cables, Integral Consulting Services, and BP.

Marine Renewable Energy Roster

Carlos Avila
Damilola Abe
Deanne Hargrave
John Allen
Keshawa Shukla
Maria Ancheril
Patricia Varela
Richard Barratt
Roneet Das
San Guo
Luz Zarate
Zack Westgate
Zenon Medina-Cetina

Meetings and Quality Presentations:

- "Wind Turbine Technology" by Myra Wong - September 22nd, 2023
- "Regulation and Standards for Marine Renewables, Specifically OWF by Lars Samuelsson – February 16th, 2024

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Educational Committee:



Damilola Abe, Wood, Educational Committee Chair

The Educational committee aims to establish and develop contacts with US universities in areas of mutual interest. It plans to initiate seminars or events with significant educational content, update and revise career information in underwater technology for schools and universities, and engage young people in its activities, particularly those in higher education, through lectures, training, and career advice.

This committee has different student participation through Student Chapters. We have Sapna Budhrani Student Chapter Chair at the University of Houston, Mary Zhao Student Chapter Chair at University of Texas at Austin, and David Emery Student Chapter Chair at University of Texas A&M College Station.

Events and Activities:

- University of Texas A&M Galveston Student Chapter Kickoff Event – April 9th, 2024



- University of Texas A&M Galveston Student Chapter Recruiting Event – April 30th, 2024

School Touring Committee

The School Touring Committee, led by Andrew Haigh, offers volunteers the chance to inspire middle and high school students in Houston and nearby areas about STEM subjects. Through this outreach program, volunteers can engage with students by sharing their career journeys, participating in classroom activities, and presenting on topics related to ocean, earth, and space sciences. Unfortunately, this committee has been inactive since COVID.

Scholarship Committee

Six members comprise the Education Committee, chaired by Christopher Curran. This committee is responsible for reviewing SUT US' annual scholarship applications.

The 2023 scholarship recipients were recognized during the Scholarship Awards Ceremony on September 8th, 2023. The selected students by the Scholarships Subcommittee were:

US Branch

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- Adebowale Adedoyin (University of Southern Mississippi)
- Salvatore Fricano (Rutgers State University, New Jersey)
- Elias Adediran (University of New Hampshire)
- Jesse Noble (Rutgers State University, New Jersey)
- Musa Animashaun (University of Southern Mississippi)
- Tyler Kleinsasser (Black Hills State University)



Women in Industry



Melissa Gould, WIND Interim Chair

The SUT-US Women in Industry Subcommittee (WIND) task force was established to promote awareness of inclusion, diversity, mentoring, and leadership among academia and industry professionals. Its mission is to equally engage both men and women through the Champagne & Conversation Series. This platform allows participants to learn about the industry's evolution in diversity and inclusion by bringing together senior and

US Branch

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young professionals from the offshore energy sector to share their experiences and advice for future leaders.

The WIND task force is led by interim Chair Melissa Gould, Stress Engineering. The committee includes members from Chevron, Stress Engineering Services, GEMS, Intecsea, Geosyntec, and KBR.

WIND Committee Roster

Melissa Gould Interim Chair
Amber Sturrock
Bia Carboni
Brianna Noris
Catalina Maldonado
Donald Burris
Heather Cousson
Kaci Callahan
Kim Faulk
Luz Zarate
Mariana Diaz
Patricia Varela
Patsy Rhymes
Stephanie Ingle
Tina Drexler
Tricia Hill

Meetings and Quality Presentations:

- **Champagne & Conversation series: Time Management** Moderated by Melissa Gould and we had a panel discussion formed by Ruby Ramirez, Andrew Haigh, Damilola Abe, Catalina Maldonado, attendees 28 – October 19th, 2023



Melissa Gould



Amit Aglawe, Tricia Hill



Ruby Ramirez, Damilola Abe, and Catalina Maldonado

- **Champagne & Conversation series: Core Values** Moderated by Melissa Gould and we had a table discussion formed by Tina Drexler, Catalina Maldonado, Christopher Curran, Roneet Das, and Kai Callahan, attendees 38 – February 21st, 2024



Colin Johnson and Christopher Curran



Velvet Oak Tavern



Ed Clukey, Victoria Mant and Roneet Das

US Branch

contd.

- **Champagne & Conversation series: Game Night!** Moderated by Kaci Callahan, attendance 10 - June 19th,2024



Victoria Mant, Melissa Gould, Luz Zarate, Alison Toth, Jon Halliburton, and Tricia Hill



Kaci Callaghan and Victoria Mant

Future Events:

- **Champagne & Conversation series** Moderated by Kaci Callahan and are planning to have a speaker format on November 2024
- **Champagne & Conversation series** on Spring 2025

Young Professionals Committee:



Roneet Das, NGI, Young Professionals Chair

SUT-US YP serves as a platform for young professionals to exchange ideas, discuss industry insights, and develop skills essential for early-career growth and beyond. It also supports students transitioning into the workforce, encourages community involvement, and fosters lasting relationships.

Members can look forward to engaging in learning luncheons, networking events, scholarship funding activities, outreach programs, and social gatherings. This committee meets bi-monthly.

Young Professional Committee Roster:

Roneet Das Chair
Ajay Shastri
Carlos Avila
Damilola Abe
Devvrat Singh Rathore
Lisa Hill
Muhammet Cuneyt Sakonder
Patricia Varela
Sola Komolafe
Victoria Mant

US Branch

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Quality Presentations:

- **Connect, Collaborate, Succeed!** Young Professionals Networking Events - Beer Tasting Featuring Ed Clukey's McClelland Lecture, presented the topic **"The Role of Physical Modeling in Offshore Geotechnical Engineering."** Attendance 34 people – May 15th, 2024




Roneet Das




Ed Clukey

Future Events:

- **Connect, Collaborate, Succeed!** Young Professionals Networking: Trivia Night! Victoria Mant as moderator – October 24th, 2024
- **Connect, Collaborate, Succeed!** Young Professionals Networking: Whiskey Tasting – Q1 2025

SUT-US Boston:

Lisa Hill has started a group in the New England area for Offshore Wind. They had the Boston Offshore Wind Drinks networking co-hosted by SUT on May 23rd, 2024.





Reports from Commmittees of Council and Special Interest Groups



Education



Sue John

Committee
Chair Sue John

Education remains key to SUT's mission, vision, and charitable objectives as a Learned Society.

Support for education comes directly from the Society's funds as well as in the provision of training with our expert subject matter presenters, hosts of site visits and dozens of knowledgeable volunteers in organised events with structured learning, webinars, technical meetings, conferences, seminars and workshops; in addition to organising Ocean Career sessions at some supported exhibitions and university career days.

SUT's core training courses: Subsea Awareness, Offshore Wind, OSIG, and new in 2024 Metocean for Renewable attract international delegates from all stages of their careers and continue to deliver both fundamentals and technical information to our delegates.

The Educational Support Fund continues to attract applications from internation students across marine, underwater and subsea science, technology and engineering degrees. In reading applications for ESF we have noted not only the high quality of the applicants; but also, the evolving university degrees which cover underwater disciplines and are relevant to the SUT's sectors and special interest groups. Technology has progressed, moved forward since the ESF was started. So, our consideration of the university degrees by subjects, programmes and disciplines in the student applications will be updated as we look at the challenges of the future such as computer sciences and artificial intelligence.

SUT continues to organise Ocean Careers at Oceanology International. In 2024 this well-attended Oi session included speakers from Fugro, MetOffice, RPS, RSAqua, Subsea7, Wood, as well as consultants Steve Hall and Mick Cook. Women in Industry provided speakers from Arup, BP, ERM, and Oceaneering. SUT continues to support Ocean Careers at Ocean Business and is looking forward to OB 2025 and the opportunity to support and participate in the careers sessions as well as speaking to students.

SUT+ in Aberdeen organised a maximum capacity event on the road to Chartership with speakers from IChemE, IET, ICE, IMechE, and IMarEST. Attendees were able to have round-table in-depth discussions from the engineering societies, the chartership process and the benefits of chartership within their own organisations.

Sebastian Lynch, a standout student from the University of Aberdeen, was been honored with the prestigious Society of Underwater Technology (SUT) Prize for his exceptional Level 4 Underwater Project. Sebastian said, "Throughout my four years at the University of Aberdeen, I have thoroughly enjoyed and excelled in my engineering career, thanks to the well-delivered and structured courses I attended. This has provided me with a strong foundation in offshore and structural engineering. Building on this experience, I am continuing my education by pursuing a Master's degree, to further expertise in offshore and structural engineering."

The excellence of the universities which engage with SUT, faculties and students can not be praised highly enough.

The MASTs conference in Glasgow included SUT's Decommission and Wreck Removal day organised by the Decom and Salvage SIG engaged with hundreds of Scottish marine science/ engineering students and included attendance by SUT Chair.

Education
contd.

CEO, Cheryl Burgess, had the opportunity to address students at Texas A&M University, College Station at a meeting marking the 10th Year SUT-TAMU Student Chapter Anniversary in January 2024. The event marked a significant milestone, celebrating a decade of accomplishments, collaboration, and shared experiences within our vibrant SUT-TAMU Student Chapter community. Seeing familiar faces and welcoming new members added to the joy of the occasion, solidifying the sense of SUT community at TAMU. Our thanks to Billy Hernawan, President 2023-2024, TAMU-SUT, the Student Chapter committee and Professor Medina-Cetina for the organisation and delivery of this exemplary event.

The CEO's Texas visit also included a meeting with students and faculty at the University of Houston courtesy of Dr Gangbing Song with thanks to John Allen, SUT-US Committee.

Meeting with Roneet Das, SUT-US, Young Professionals Chair highlighted a opportunity to connect SUT+ (UK) and YES (Perth). Plans to link US universities with Student Chapters to UK university members will be progressed in the next year.

The Education committee needs volunteers from our university members, academia, corporate members interested in continuing education for employees and individual members interested in education. Please contact ***info@sut.org*** to express your interest in joining this group.

Educational Support Fund Management

The Society for Underwater Technology continues to support students through our Educational Support Fund. Each year we invite applications for scholarships which attract candidates from around the world. Unfortunately, the Society is not resourced to be able to award funding to everyone who applies. Eighteen applications were reviewed by the judges in the short-list from undergraduates, Masters and Doctoral students. The number and variety of applications challenged the judges to produce a top-ten, then selection of finalists in their consideration of the applicants inspirational expressions of the how they have come to study in the sectors of interest to SUT, their aspirations for the marine, underwater and subsea careers they hope to have, their academic references and the degree programmes the applicants were set to study,

The Educational Support Fund is a continued budget expenditure. We hope to be able to grow the number of awards we make each year. The Society thanks all those who donate funds for this purpose. Please contact CEO, Cheryl Burgess or Jane Hinton (***jane.hinton@sut.org***) for more information on how to donate to the ESF and Bil Loth funds.

In 2023-2024 the Society was able to make two scholarship awards. The recipients of grants from the Educational Support Fund were: Kaito Bremner and Vincentius Wijya.

- Kaito Bremner, Oxford University, Christ Church College, Engineering Science.
- Vincentius Wijaya, Postgraduate research project, PhD programme, Faculty of Engineering and Physical Sciences, University of Southampton

Graduating recipients from the 2023-2024 period include Erin Nicholson, St Andrews University, Bartol Sikora, University of Oxford, Ryan Lin, Imperial College London and Francesca Fehlberg, Bangor University all of whom are pursuing marine and subsea-related careers. Our congratulations to them all.

Students from all over the world are able to apply for the ***ESF scholarships*** annually. In addition two of the SUT Branches operate their own scholarship schemes with USA Branch raising thousands of dollars of corporate sponsorship to support students at Texas universities where there are SUT Student Chapters. Perth (Australia) Branch also support scholarships.

Summary of Undergraduates who graduated in 2024

Engineering Science - University of Oxford
Ecology & Conservation - University of St Andrews

Summary of New/Continuing Undergraduates 2024-25

Engineering Science - University of Oxford
Environmental Sciences - University of East Anglia
Marine Biology with Oceanography - University of Southampton
Marine Science - Scottish Association for Marine Science

Summary of New/Continuing Postgraduates 2024-25

Offshore Engineering - University of Aberdeen

International Training

With the transition back to a predominantly face to face training offer last year, the 2023/24 year has focussed more on growing our training offer. This has included two presentations of the existing popular online floating wind course in a three-day face-to-face format. Importantly the in-person format allowed us to include site visits, a key USP for SUT training made possible by our strong member support. During the year we also re-worked the existing MetOcean course material focus on renewable energy. This was run as an in-house course for a company working in the marine renewables space.

Looking outside the UK Perth and Houston Branches have continued to develop their training offerings during the year including increasing the numbers of awareness course presentations.

The international training committee met three times over the year, and I would like to take this opportunity to thank all the committee members, particularly those calling in outside their normal working day. As reported last year progress on the trial initiative to endorse limited 3rd party training provision was harder than we had hoped and after a review by Council it was agreed this initiative would be suspended.

During the year the training committee also spent time discussing input to SUT's ongoing strategic review. Recognising we have a limited volunteer resource the key areas of agreement were the need to prioritise existing course offers with a focus on in person training, including practical / site visit opportunities. Looking forward there is desire from the committee to incrementally build out from our current core offerings but only where we see clear demand and strategic fit with wider SUT member activity.



David Saul

Committee

Chair David Saul

Cheryl Burgess
Colin Johnston
Leanne Geneve
Tricia Hill
Richard Luff
Bob MacDonald
David Newman
Ralph Rayner
Charlie Reith
Paul Ryan
Graham Whitehead

International



Steve Hall

Committee
Chair Steve Hall

SUT Chair Sue John
Former SUT Chair David Saul
Former Chair China Branch Frank Lim
SUT CEO Cheryl Burgess
Chair Perth Branch Brett Phillips
Chair/President USA Branch Tricia Hill
Richard Binks
Jim Neffgen

Ad-hoc membership – other Branch Chairs when available to attend meetings

SUT currently has Branches in Australia, Brazil, China, Eastern Mediterranean (Cyprus), Malaysia, Middle East (UAE), Norway, Singapore, United Kingdom (Aberdeen, London and North-East) and United States of America (Houston) with a Canada branch under development. For the most part, our Branches are legally established in their country of operation under local laws and customs, but all operate according to SUT's Articles of Association and share common membership across the whole Society, with central services provided for the smaller Branches from our UK core team. Larger Branches employ their own administration and events staff where there is sufficient activity and income to justify the investment.

All were deeply affected by the COVID pandemic of 2020-21 and this held back growth, putting some into a dormant state, but as business confidence and freedom to travel has returned we are seeing a return to the previous active state of most Branches and we envisage continued growth through the decade.

The International Committee is currently Chaired by former SUT CEO Steve Hall and aims to meet twice a year online to receive reports from Branch Chairs / Presidents, share news and suggestions of Best Practise, discuss formation of new branches and if required, the closure of branches that are no longer active. The Committee reports to SUT Council, who will take decisions based the Committee's advice and recommendations.

The Committee is next due to meet in October 2024 to report to Council before year.

Current membership is comprised of Branch Chairs Presidents, plus SUT CEO and SUT Chair or Honorary Secretary, as required.

Policy Advisory

The SUT Policy Advisory Committee has been quiet through the year against changes in the UK government, policies, needing new committee members, deliberating on engagement and delivery in the future and learning more about how special interest groups receive news of from government departments, Parliamentary committees and comments or input on White Papers.

This year the Register Of All-Party Parliamentary Groups has seen changes in both Country (and regional) Groups as well as the Subject Groups.

The SUT continues to support and participate in Science in Parliament group and has requested engagement in the meetings and activies of the APPG for the Ocean. Renewable and Sustainable Energy has its own APPG. While there is potential for SUT to get involved in Carbon Capture, Utilisation and Storage, Climate Change, Climate, Nature and Security, Energy Studies, Engineering, Environment, Hydrogen, Net Zero and more, engagement is constrained by time and interests of volunteers.

Nonetheless, the Society's Learned Society status, expertise and focus of SUT's special interest groups means the SUT is uniquely placed to provide a voice from our members and industry sectors to inform and educate policy makers about the challenges, issues, solutions, innovations, research, aspects and state of the art underwater technology, marine science, and subsea engineering currently available and in development for future use during the coming decades.

If members are interested in joining the Policy Committee in 2025, please contact ***info@sut.org***.



Cheryl Burgess

Committee
Chair Cheryl Burgess

Diving and Crewed Submersibles



Martin Sayer

Committee
Chair Martin Sayer

Neil Brock
Mark Caney
Bob Cole
Taira Caton
Paul Evans
Oliver Firth
Steve Hall
Garry Momber
Bob Pirie
Mark Renfou
Roland Rogers
Don Shires
Jolene Towne

The Diving and Crewed Submersibles Committee encourages representation from all the main sectors of the diving industry: Commercial Offshore, Commercial Inshore, Recreational, Media, Scientific & Archaeological, Military, and Police. Additional representation is through industry bodies, diving-related medicine, and the diving inspectorate at the HSE. The Committee also maintains links with international bodies.

Although included in its title, the group has not had representation from any organisations using crewed submersibles for many years. There was, however, considerable interest in this part of the group's activity following the tragic loss of the Titan submersible in 2023 on a dive visiting the wreck of the Titanic. Following that accident, and in response to the related media exposure, the Submersible Operators Group was established with the objective of supporting inter-community cooperation, partnerships and improvements to submersible operations. The SUT is now represented on that operators group through the Diving and Crewed Submersibles Committee.

The committee met in November 2023. It was the first face to face meeting since the pandemic. The meeting heard recent updates from the industry sectors represented. These included: Proposed changes to how dive supervisors may be accredited in the future to oversee diving at work operations in all the industry sectors; revisions to the Association of Diving Contractors supervisor manual; proposed new guidance on diving associated with fish farms; and, new ISO standards in recreational and scientific diving.

The committee intends continuing to meet at least once annually.

Environmental Forces

SUTGEF has continued its usual structure of three meetings per year rotating between City University, Imperial College, and the University of Oxford. We have instituted hybrid meetings which have proved popular with a strong online presence—this has boosted numbers attending meetings and allowed a more geographically spread audience—including participants from Australia.

The meetings in the last year have had the following speakers:

September (126th meeting): Prof Liang Cheng (South China University of Technology) and Ramsay Fraser (BP)

January (127th meeting): Dr Emma Edwards (University of Oxford) and Dr Agathoklis Giaralis (Khalifa University of Science and Technology)

May (128th meeting): Dr Tianning Tang and Thomas Monahan (Oxford) and Dr Liang Yang (Cranfield)

We plan to continue the structure of meetings going forward aiming for one speaker from industry and one from academia.

SUTGEF was chaired by Prof Thomas Adcock (Oxford) with Prof Shiqiang Yan (City University) as Secretary.



Thomas Adcock

Committee

Chair Prof T Adcock
Secretary Prof S Yan

R Addlesee
Dr R Ahilan
Prof N Barltrop
Dr WJD Bateman
Prof PW Bearman
F Beiboer
Dr M Birkinshaw
Dr E Buldakov
D Carter
Prof DM Causon
Prof JR Chaplin
Dr M Christou
RL Davies
Dr KR Drake
Prof R Eatock Taylor
AJ Fyfe
Dr R Gibson
Prof D Greaves
G Grewal
Dr J Hamilton
Dr G Jeans
M Johnson
I Leggett
Dr A Raby
Dr R Sheikh
Dr E Spentza
Dr J Spinneken
R Sproson
Dr R Standing
Prof P Stansby
Prof C Swan
Prof P Taylor
Dr P Tromans
T van den Bremer
A Watson
W Tan
R Webb
Dr G Weymouth
Dr J Zang

Marine Environmental Science



Katie Cross

Chair Katie Cross
Secretary Lucy Shuff

Ainslie Casson
Andy Matkin
Bethan Owens
Becky Hitchin
Cemlyn Barlow
Claire Hinton
Clara Johnston
Daisy Chamberlain
Deborah Morgan
Edward Wort
Elena Rainey
Emily Boddy
Gary Nicol
Gillian Allen
Gorka Aguirre Giandinoto
Ian Wilson
Inge Smith
James Harding
Marja Aberson
Michael Thompson
Mick Cook
Muhammad Ullah
Nicola Harris
Rhiannon Alger
Ryan Mowat
Sam Strutton
Samuel Stanton

The MES SIG has held meetings approximately every quarter over the last 12 months, two of which have been London hybrid events (held at ERM's office and Orsted's office) and one social event at Oceanology International. I would like to take this opportunity to thank both Orsted and ERM for allowing us to use their office space.

We have welcomed a number of speakers, both external and members, to our meetings covering topics including:

- Carbon capture;
- Assessing trace element inputs and the risks of co-locating aquaculture;
- Updates from OWIC (Offshore Wind Industry Council);
- Tidal range opportunities;
- Current research into noise limits for pile driving;
- An introduction to the world of USVs (Unmanned surface vessels).

Similarly to last year, the committee is looking forward to the next 12 months we will continue to hold meetings every quarter, with the aim of at least every other of these events being hybrid. Along with the UXO SIG and OSIG SIG we are having an exciting joint in person event in December, in London, which will also include dinner!

As the Chair of the SIG, I would like to see more members attend in person in future (repeating a message from previous reports) so that we can really explore the networking that being a member of a SIG gives you.

We are continuing to grow our membership with new people attending every meeting. Targets though are still to encourage regulators and operators to join us and of course to keep the new attendees! I am hoping that as some members are now ex. operators/regulators we may be able to encourage a wider network to join the SIG.

I would like to take this opportunity to thank Nathan Formosa for his time on the committee. He unfortunately had to step down early in the year. In addition to this, due to an impending maternity leave we are also looking for new members to join us on the committee, either permanently or on a temporary basis. Volunteers welcome!

Marine Renewable Energies

Four meetings have been held over the year as normal. These have been online resulting in higher attendance due to the need not to travel to London. There has been a speaker at each meeting which has included presentations on wave and tidal development from Crown Estate Scotland (Sian Wilson), Supergen Offshore Renewable Energy programme (Deborah Greaves), size and scaling up of tidal turbines (Peter Fraenkel) and recent activities of the Crown Estate in floating wind (Duncan Ayling). A benefit of the online access is that members of other SUT technical groups can be invited to join, which has proved successful.

During the year the committee has continued to work with the US MREC, with representatives from each committee contributing to the meetings. In addition, we have had input from the newly formed SUT Perth renewable energy committee.

Floating wind is a growing area and is on the agenda for each meeting. In addition, floating solar has been added to the Committee's portfolio, with discussion at meetings.

The careers part of the SUT website on marine renewables has been recognised as not reflecting the rapid progress that has been made in this field in recent years. This has now been revised with new pictures with help from Committee members (*click here to view the updated page*).

The committee reviewed its annual plan at the beginning of the year and highlighted some areas where little progress had been made for consideration at future meetings.

The Lennard-Senior prize for 2023 which is voted on by members of the committee was presented at the All-Energy event in Glasgow in May and was awarded to Professor Deborah Greaves as Director of the Interdisciplinary Research Centre for Decarbonisation and Renewable Energy at Plymouth University. She was also the speaker at the January MREC meeting.



John Sharp

Committee

Chair Prof J Sharp
Clerk E Boddy

M Ancheril
D Ayling
D Brookes
J Colby
P Fraenkel
S George
J Griffiths
J Hulm
D Kerr
Dr S Merry
Dr R Norman
J Patten MBE
G Plant
A Smith
S Wilson
M Wright
I Wylie

Offshore Site Investigation and Geotechnics



Karen Dalton

Committee
Chair Karen Dalton
Secretary Tim Carrington
Alasdair Maconochie
Darren Burbury
Mick Cook
Neil Morgan
Toby Powell
Simon Oakley
Andy Barwise

The past twelve months (from 1 July 2023 to 30 June 2024) have been both busy and successful for the OSIG Special Interest Group. We have worked hard to organise engaging events, foster learning, and advance the field of offshore site investigation and geotechnics. Below is a summary of some of the key highlights from the year.

Meetings Held and Presentations Received

Over the course of the year, we held several important meetings:

- 4 October 2023: Our meeting took place as scheduled.
- 27 November 2023: This was a hybrid meeting held at Ørsted's London offices, followed by a curry for those attending in person.
- 13 March 2024: We gathered in person at Arup's offices in London and online, just ahead of the Rankine Lecture.
- 6 June 2024: This meeting was held at Bristol University, coinciding with the SW Geoforum. We presented a case study on the landfall of a power cable from an offshore wind farm, along with a discussion on the proliferation and lack of standardisation in terms related to geophysical investigations (e.g., HD, UHD).

Events and Courses Contributed To or Held

This year, we were involved in some major events and courses:

- The OSIG International Conference 2023: Our biggest event of the year, held at Imperial College, saw a sell-out, and record number of 600 attendees. A detailed report on this was included in last year's annual report.

Aggie Georgiopoulou
Aime Harrison
Alex Searle
Alexander Smith
Alice Maynard
Alice Ridgway Hill
Alice Roux
Ana Ivanovic
Andrea Diambra
Andrew Benson
Andrew Deeks
Andrew Kirkland
Anna Wolowicz-Trouwborst
Avi Shonberg
Bambang Sampurno
Brian Bell
Chris Almond
Chris Martin
Chris Smith
Dafydd Lloydjones
Daniel Sumner
David Colliard
David Donaghy
David Rushton
David White
Dei Huws
Ed Self
Eric Cauquil
Felix Schroeder
Francesca Ciavaglia
Gareth Carter
Gareth Ellery
Gareth Wood
Giorgio Giuliani
Helen Dingle
Jim Edmunds
Jim Pyrah
John Arthur
John Davidson
Joseph Hine
Julian Dix
Julian Osborne
Kevin Black
Kevin Hampson
Kirstin Johnson
Maarten Vanneste
Majid Hesar
Mark Finch
Mark Lawrence
Mick Cousins
Mike Baker
Mike Brown
Mike Fearn
Nigel Carey
Olivier Poudens
Oyvind Ruden
Paul Baggaley
Paul Stock
Peter Allan
Peter Larkin
Phil Durrant
Phil Edwards
Phil Wilson
Ray Hobbs
Ricardo Argiolas
Rich Metters
Richard Jardine
Richard Orren
Roi Soage Santos
Rupert Rowland
Sarah Elkhatib
Scott Whyte
Simon Hviid
Simona Caruso
Stelios Panayides
Suzanne Lacasse
Thejesh Kumar Garala
Thomas Darnell
Tom Lunne
Tom Perry
Victor Terente
Vincent Latron
William Cleverly
William Hodson
Wouter Zuijderduijn

Offshore Site Investigation and Geotechnics

contd.

- May 2024: We held a two-day short course titled "An Introduction to Offshore Geophysics and Geotechnical Engineering" in Southampton, which was a sell-out with 40 participants.
- June 2024: We organised a one-day course aimed at master's students, "Introduction to Offshore Geophysics and Geotechnical Engineering," held at Imperial College and streamed live online. The event attracted around 200 students and included a session on careers in the offshore industry.
- SW Geoforum 2024: Hosted at Bristol University in June, this event was attended by 75 participants and included insightful discussions on offshore geophysics and geotechnics.

Looking Ahead

We have exciting plans for the upcoming year:

- NW Geoforum 2024: We will be holding the NW Geoforum in Newcastle in September 2024, expecting around 90 attendees.
- Joint SIG Meeting: In December 2024, we will organise a joint meeting with other SUT Special Interest Groups, coinciding with the SUT AGM.
- Conference 2027: The conference organising committee has been formed, and preparations for our next major conference in 2027 are already underway.
- EAGE/SUT Europe Offshore Wind Workshop: We are in the process of organising a joint workshop with EAGE, focusing on offshore wind. Tentative dates for this event are 30 April and 1 May 2024, and we aim to replicate the successful formats of previous workshops in Boston and Perth.
- SW Geoforum 2025: The SW Geoforum will be held again in June 2025, following its success in 2024.
- Short Course at Imperial College: Another short course will take place at Imperial College in June 2025, continuing our commitment to training and development.
- Events in Aberdeen and East of England: We are beginning discussions about potential events in Aberdeen and the East of England.
- Workshop on Geoscience for Floating Offshore Wind: In June 2025, we will host a day workshop in Edinburgh, targeting non-geoscientists such as project managers and stakeholders who need a better understanding of geoscience in floating wind development.

Awards and Scholarships

The Mick Cook Award was presented to Tor Inge Tjelta during the OSIG Conference, recognising his outstanding contributions to the field.

Educational Outreach

This year, we took significant steps toward expanding our educational outreach efforts. A working group has been established to create a material pack for OSIG members to use when visiting schools. The goal is to inspire young students to pursue studies and careers in geoscience. We're also considering expanding this initiative to include universities and potentially integrating it into public events.

It has been a fulfilling year for the OSIG SIG, and I'm excited about the continued growth and development of our community. We are looking forward to another successful year ahead, with even more opportunities for learning, collaboration, and contribution to the offshore geotechnics field.

Salvage and Decommissioning

After twelve years of successful operation, the Salvage & Decommissioning Committee (S&DC) is reviewing where it applies its effort. During this period it has been at the forefront of discussion with respect to the negative ecosystem impact of the OSPAR 98/3 Decision, as it currently stands. Through discussion and collaboration with marine scientists, industry, regulators and other users of the ocean space; espescially the bringing of them together at the Marine Alliance for Science and Technology Scotland (MASTS) Annual Science Meeting and in parallel with the INSITE initiaitve ***https://insitenorthsea.org***; the ecosystem impact of anthrogenic structures in the marine ecosystem has been well and truly aired; and in the process trust built up; connections made; and knowledge and information shared; with the result that the Natural Environmental Research Council launched its £5.6 programme, Value of Marine Artifical Structures (ValMAS) earlier this year.

This is an entirely positive step forward, but still leaves the offshore oil and gas and offshore wind communities significantly lagging behind the maritime industry in their thinking; for centuries almost two centuries, modern vessels have been considered on the basis of hull and machinery and cargo; and bunkers removal and/or cargo recovery to remove hazardous or noxious substances, whilst leaving the steel structure (as long as it is not a navigational hazard), to be assimilated into the water column by corroding over decades and providing micronutrients, for iron-loving bacteria upwards, has been considered as both a proportionate and responsible course of action. Therefore, it seems that though change is happening, and many people's opinions have changed, the pace in the face of 'The Climate Emergency' is positively tardy.

Therefore, having done its bit, The Salvage and Decommissioning Committee is turning its attention to MASS, MATTER and MATERIALS, to again, widen the discussion. This is currently work in progress and an update of plans will be shared with the Council of the SUT early in the New Year.

Dr Abigail Davies, Chair of the SUT Decommissioning and Wreck Removal Sub-Committee, who has written its report, overleaf, is a key member of the team that will be reviewing the three component parts of the S&DC; the other two sub-commitees, which have taken a back set for a while, being Salvage & Emergency Subsea Response and Innovation.



Moya Crawford

Committee

Chair Moya Crawford
Chair Abigail Davies
Former Chair Karen Seath
SUT CEO Cheryl Burgess

Vidar Åhjem
Eliana Mercy Araujo
Felicity Arthur
John Baxter
Alison Brand
Simon Burney
Kevin Campbell
Sarah Canning
Andrew Chamberlain
Nick Donnelly
Arnstein Eknes
Jim Elliott
Mike Elliot
Kate Gormley
Lee Hanlon
Becky Hitchin
Hannah Hood
Mark James
Nigel James

Tony Laing
Mark Lawrence
Hannah Lawson
Andy Liddell
Andy Matkin
Thomas Miller
Joel Mills
Peter Oliver
Kilian Palop
David Paterson
Bill Ritchie
Murray Roberts
Sally Rouse
Erin Sherratt
Mark Shields
Dan Stewart
Simon Swallow
Win Thornton
Tom Walters
Martin Watts

Salvage and Decommissioning

contd.

The SUT Diving and Wreck Removal (DWR) committee went through a period of change this year, with the stepping down of the long standing chair and champion, Karen Seath in December 2023. Karen was chair of the SUT DWR committee for over 12 years and in that time used her considerable network and people skills to successfully bring together a wide group of experts from academia, policy and industry for honest, open and frank discussions about decommissioning and wreck removal in the marine environment. The SUT DWR would like to thank Karen for her time and effort in making the SUT DWR successful, vibrant and impactful.

Another successful series of workshops were held in Glasgow in December 2023 as part of the MASTS Science meeting. This year we also invited PhD students to present their research work and this was well received by the audience. Although workshop attendance numbers were lower than previous years, the workshops were well received.

Dr Abigail Davies took over as chair in January 2024, and her main aims for the coming year include building on engagement of the committee and workshops and highlighting and celebrating the success of the last 12 years.



Abigal Davies

International Underwater Vehicles and Robotics Group



Neil Bose

Committee

Former Chair Neil Bose

Luke Alden
Mario Brito
Cheryl Burgess
Brian Claus
Nathan Ehrenholz
Shuangshuang Fan
Alex Forrest
Gwyn Griffiths
David Hopkin
Alex Johnson
Chris Kaminski
Bill Kirkwood
Florie Mancel
Richard Mills
Alex Phillips
Supun Randeni
Rolly Rogers
João Sousa
Ivan Stenius
Bo Thanyamanta
Maxine von Eye
Anna Wahlin
Bungy Williams
Jingjing Xu
Wen Xu
Yanwu Zhang
Fumin Zhang
Ting Zou
Mingxi Zhou

Underwater robotics continue to have global interest across multiple sectors and disciplines. The SUT/ECOR Panel on Underwater Robotics has international membership, online meetings and communications.

The field underwater robotics continues to feature in conferences and exhibitions around the world as both a single focus subject as well as in technical sessions, providing meeting points for SUT members to showcase technology and contribute to the discussions on current innovations in robotics and autonomous vehicles as well as challenges in the field.

The Gwyn Griffiths Underwater Robotics Award (GGURA) is bestowed by the Panel recognising individuals under 40, early to mid-stages of their careers who have made outstanding contributions in the field of underwater robotics. Open to all, by nomination or application we thank Gwyn Griffiths for both his sponsorship of this Award and his on-going participation in the Panel.

Previously, the panel announced their wish to create pre-recorded lectures on underwater robotics linking to the focus topics for the Panel and the other SUT Special Interest Groups which have robotics as an area of interest. Members interested in participating in this initiative should contact SUT centre.

Our thanks to Dr Neil Bose, President and Vice Chancellor pro tempore, Memorial University, Chair of the Underwater Robotics Panel and Professor Mario Brito, Southampton University, panel co-Chair for their services to the SUT robotics panel, their expertise and input.

Members are invited to contact SUT HQ, ***info@sut.org*** to express their interest in joining the Underwater Robotics Panel or contributing our recorded lectures and demonstrations initiative.

Unexploded Ordnance (UXO)

At the time of writing this report the UXO SIG has now been functioning for more almost three years. The primary purpose of the SIG is still as it was when first set up: to identify and to address marine UXO issues within the burgeoning offshore wind and to seek to provide guidance and education to practitioners.

Throughout its existence, membership has been confined to offshore windfarm developers and representation includes some 15+ organisations. At an appropriate point in the future, membership will be opened-up to all stakeholders.

The SIG is very much an international group including representatives from the UK, USA, Norway, Denmark, Germany, France, and The Netherlands, but we are always looking to expand our geographical reach; particularly in SE Asia.

The UXO SIG meets quarterly with two meetings online and two face-face. In September 2023 we held a successful face-to-face meeting at Orsted's offices in Victoria, London immediately prior to the OSIG conference in London with some 15 members in attendance. Then in March 2024 we organised an afternoon seminar at the Oceanology Exhibition & Conference in London. This was chaired by Dorthe Erbs-Hansen (formerly of Orsted) and presentations were provided by Jack Brighouse and Dr. Sara Lise Underhay of ALM Geophysics and Deep BV, respectively, Wino Snip (Tennet), Dr. Peter Menzel (Tennet), Gunnar Moller (Royal Swedish Navy), Sei-Him Cheong (National Physics Laboratory, UK) and Prof. Edmund Masser (Inst. Toxicology and Pharmacology, University of Schleswig-Holstein Medical School, Kiel). This was a very successful seminar. Indeed, the seminar room was full to capacity. Prior to the seminar we held a meeting of the UXO SIG. And, after the event we met for drinks at a nearby hotel.

In January 2024, we began preparation of Guidance Notes for UXO in offshore wind and convened a sub-committee to produce these. Preparation of the Guidance Notes was ongoing at the time of writing this report.

During the year, I have received several requests from individuals not working for developers wishing to join the UXO SIG. I will raise this issue again at the next meeting of the SIG.

Should you have any questions about the business of the UXO SIG, please do not hesitate to contact me.



Mick Cook

Committee

Chair Mick Cook

Events Secretary
Dorthe Reng Erbs-Hansen

Andy Barwise
Kevin Clements
Eric Cauquil
Sally-Ann David
Anja Drews
Michael Hahn
Lucy Malou Henningsen
Christian Herrisson
Richard Hill
Simon Hviid
Deanne Hargrave
Benoit Jouy
Rasmus Juncher
Andrew Kirkland
Robert Koens
Matthew Le Maitre
Eoin McGregor
Julian Osborne
Dave Sharp
Frank Steinhoff
Soren Stricker Mathiasen
Wolfgang Thiessen
Annelies Vanstraelen
Helge Vosberg

Charity registration number 256659 (England and Wales)

Charity registration number SC043942 (Scotland)

Company registration number 00932590 (England and Wales)

SOCIETY FOR UNDERWATER TECHNOLOGY (THE)

ANNUAL REPORT AND FINANCIAL STATEMENTS

FOR THE YEAR ENDED 30 JUNE 2024

SOCIETY FOR UNDERWATER TECHNOLOGY (THE)

LEGAL AND ADMINISTRATIVE INFORMATION

President	B Sykes
Chair and Vice President	S John
Hon Treasurer	G Schultz
Hon Secretary	D Brookes
Chief Executive (CEO)	C A Burgess
Registered office	2-4 Packhorse Road Gerrards Cross Buckinghamshire SL9 7QE
Charity number (England and Wales)	256659
Charity number (Scotland)	SC043942
Company number	00932590
Auditor	Anova The Barn, Meadow Court Faygate Lane Faygate Horsham West Sussex RH12 4SJ
Bankers	Barclays Bank plc and Bank of Scotland plc
Solicitors	Gordons Partnership 22 Great James Street London WC1N 3ES

SOCIETY FOR UNDERWATER TECHNOLOGY (THE)

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SOCIETY FOR UNDERWATER TECHNOLOGY (THE)

CHAIR'S REPORT

FOR THE YEAR ENDED 30 JUNE 2024

Annual Report of the Chair, Sue John

As I conclude my term as the elected Chair of Council with this AGM and report, I am once again amazed by the dedication of SUT volunteers, who have generously given their time during an incredibly busy year.

A glance at the Society's events webpage reveals just how active our special interest groups and branches have been, organising a wide range of professional, networking, and social events, from conferences and technical evenings to webinars, podcasts, and the revival of SUT Branches. Over the past year, they've delivered more than 15 training sessions, 32 technical meetings, 25 social events, and 15 conferences/workshops, along with site visits and contributions to SUT publications.

I must also acknowledge the invaluable contributions of our volunteer training course presenters. Not only do they deliver our industry-recognised courses, but they also help develop the content, ensure it remains current, and contribute to the delegate programmes. Additionally, I would like to thank the member companies that host site visits for course delegates, as well as for SUT+ and ECOSSIG activities.

I extend my heartfelt thanks to all members who generously give their time and expertise to support the Society in achieving the successes I've highlighted. Of course, the SUT's strength doesn't lie with volunteers alone—we are also fortunate to have a dedicated team of staff. Their work is crucial to the Society's future, with staff based across three continents—in Perth, Western Australia; Houston, Texas; and here in the UK. Whether they are managing our finances, promoting events, coordinating memberships, or simply providing support when needed, their efforts ensure the smooth running of the Society's operations worldwide.

Finance and Accounts

Before approving the 2023-2024 budget, SUT Council members recognised that the 9th OSIG Conference, held in London in September 2023, would generate a significant surplus for the Society. Sponsorship for the event was secured early, starting in the 2022-2023 financial year, and delegate registrations exceeded targets by mid-2023, with the event selling out prior to the registration deadline.

The 2023-2024 accounts also reflect the strong performance of SUT's training courses, including the Subsea Awareness Course in Aberdeen, the Offshore Wind Course in Newcastle, the OSIG course in Southampton, and the online Metocean course for offshore renewable energy. Each contributed to the Society's surplus.

Additional sponsorship for various SUT events helped keep costs down for members, allowing some events to be free or cost-neutral, with pricing for chargeable events reflecting member benefits. I would like to extend my gratitude to all the sponsors who supported SUT events over the past year.

Conferences

The 9th International OSIG Conference, which had been postponed due to Covid, made a highly successful return in 2023. Thanks to the hard work of the OSIG organising committee, led by Conference Chair Toby Powell, and the support of SUT staff, the event was a sell-out with global attendance. I would also like to acknowledge the contributions of Mick Cook and Mike Fearn for their efforts in managing the conference finances and securing sponsors, helping to further establish OSIG as a globally recognised brand. A total of 412 abstracts were submitted, with 250 accepted, leading to three full days of presentations to standing-room-only audiences. Plans are already underway for the next OSIG Conference in September 2027.

OSIG was not the only event in 2023/2024. SUT's presence was felt across various conferences and exhibitions, including the Autonomous Marine Technology Conference, SPE Offshore Europe, ADIPEC, the Annual Salvage, Decommissioning and Wreck Removal Workshop in Glasgow, Subsea Expo, Oceanology International, MCE-DD, AOG Perth, Subsea Technology Eastern Mediterranean, All-Energy in Glasgow, and The Combined Naval Event in Farnborough.

Importantly, the Society does not operate in isolation. Throughout the year, we have collaborated with key industry organisations, including the Global Underwater Hub and the International Marine Contractors Association. We also partnered as the Learned Society with RX, DMG, and Endeavour B2B to support major industry events, contributing to their technical programmes and side sessions.

Strategy Working Group

In July 2023, the SUT Council established a limited-term Strategy Working Group (SWG), co-chaired by Ralph Rayner and Nick Swift. The purpose of this sub-committee is to develop a long-term Strategic Framework and Strategic Plan to guide the Society's future growth in service of its members and in line with its charitable aims.

This initiative has brought together international perspectives on key strategic themes, and I extend my thanks to all participants in the working group. There are no quick or simple solutions to the challenges the SUT will face in the coming years, but we eagerly anticipate the completion of the Strategic Framework and look forward to your feedback.

As we approach SUT's 60th Anniversary in 2026, we encourage members to contribute their ideas for events and meetings. Please share your suggestions with SUT CEO, Cheryl Burgess.

Educational Support Fund

The Society's Educational Support Fund (ESF) awarded scholarships in 2023 to undergraduate and postgraduate students across various disciplines, including engineering and environmental science. Graduating recipients from the 2023-2024 period include Erin Nicholson, Bartol Sikora, Ryan Lin, and Francesca Fehlberg, all of whom are pursuing marine and subsea-related careers.

Awards

The Society remains committed to recognising exceptional contributions to our industry sectors, as well as inspiring achievements.

The inaugural Mick Cook Award for Marine Site Investigation celebrates excellence in marine site investigations and characterisations across the global disciplines of geophysics and geotechnics. This year, the award was presented to Tor Inge Tjelta at the OSIG 2023 conference, where the judging panel acknowledged his innovative contributions to offshore site investigations and geotechnical engineering, highlighting his integrated geological, geophysical, and geotechnical approaches in complex project settings.

The President's Award was awarded to Ali Hynd, an inspirational teacher at Mintlaw Academy in Aberdeenshire, for his dedication to the school's ROV club, where students design and build their own remotely operated vehicles. Through his efforts, Ali is helping to nurture the next generation of professionals in robotics and subsea engineering. We commend all teachers whose passion ignites curiosity and encourages students to pursue careers in our beloved industries.

Additionally, the Lennard-Senior Memorial Prize was presented to Professor Deborah Greaves, OBE, at All-Energy in Glasgow, recognising her outstanding individual achievements in the field of Marine Renewable Energy.

Finally, Dr Peter Girguis, a Professor of Organismic and Evolutionary Biology at Harvard University and Adjunct Oceanographer at Woods Hole Oceanographic Institution, received the prestigious Captain Don Walsh Award for Ocean Exploration at Oceanology International in March 2024. Described by his peers as "the epitome of a deep-sea explorer" and "a man for all ocean seasons," Peter's contributions to ocean exploration are truly commendable.

Communications

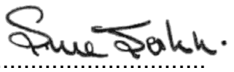
The Underwater Technology Podcast, hosted by Martin Stemp and produced by Emily Boddy, continues to deliver engaging and informative episodes for members and those with an interest in underwater technology, marine science, and subsea engineering. If you haven't already, I highly recommend tuning in—downloads have now exceeded 28,600.

In addition, members have access to our quarterly newsletter, *Big Blue World*, as well as *UT2* and *Underwater Robotics* magazine. I encourage all members to contribute news, articles on innovation, project updates, or thought pieces for inclusion in *Big Blue World*.

This year, I would like to recognise the exceptional contribution of one staff member in particular. Our Membership and Finance Officer, Jane Hinton, has just completed 30 years of service with the SUT. Initially joining as a temporary employee, Jane's potential was quickly recognised, leading to her becoming a permanent and invaluable member of the team. As the key contact for membership enquiries and finance, Jane's professionalism and meticulous management of the Society's accounts have been outstanding. While retirement may eventually call, we are fortunate to have her continued dedication and expertise, and we extend our deepest thanks for her remarkable service.

Lastly, I want to express our gratitude to our corporate members, whose sponsorship underpins the efforts of our volunteers. Over the past three years, we've seen the Society bounce back from the challenges of the Covid pandemic, launching a new branch in the Eastern Mediterranean and revitalising our Norway branch. Interest in new branches, training courses, and innovations continues to grow, with our Special Interest Groups playing a crucial role in advancing science and technology.

Thank you to all SUT staff, volunteers, corporate members, and sponsors for making this success possible.



S John
Chair of the Council

Date: 3rd December 2024

SOCIETY FOR UNDERWATER TECHNOLOGY (THE)

COUNCIL MEMBERS' REPORT (INCLUDING DIRECTORS' REPORT AND STRATEGIC REPORT)

FOR THE YEAR ENDED 30 JUNE 2024

The Council Members present their annual report and financial statements for the year ended 30 June 2024.

The financial statements have been prepared in accordance with the accounting policies set out in note 1 to the financial statements and comply with the charity's governing document, the Companies Act 2006, the Charities and Trustee Investment (Scotland) Act 2005, the Charities Accounts (Scotland) Regulations 2006 (as amended) and "Accounting and Reporting by Charities: Statement of Recommended Practice applicable to charities preparing their accounts in accordance with the Financial Reporting Standard applicable in the UK and Republic of Ireland (FRS 102)" (effective 1 January 2019).

Introduction
Earlier this year was the 4th anniversary of the start of the Covid pandemic and the ensuing lockdown. It is hard to believe how much our lives changed and how long we will have to live with the longer-term impacts of what happened. Thankfully, the SUT continues to rebound, and our activities and events over this last year are reflective of this return to a more recognizable normality and growth.

Of particular note was the running one of the SUT's premier events, the 9th edition of the International OSIG Conference "Innovative Geotechnologies for Energy Transition" held in September 2023 in London. I know how much effort goes into organizing this event and making it the success that it is.

In recent years, the SUT Council has been focused on financial matters, then the pandemic, but this was the year when the Council's focus shifted to the future, and how the SUT can embrace the opportunities ahead of it. It is, of course, important that the Council remains reflective of the SUT membership if it is to guide the SUT in the years ahead and ensure the continued vibrancy of the Society.

Objectives and activities
The Society is principally engaged in the promotion of awareness in all aspects related to underwater technology. Its Mission and Strategic Vision are described as follows:

Mission
The Society for Underwater Technology (SUT) is an international body actively promoting the development, dissemination and exchange of ideas, information and technology arising from or related to the underwater environment.

Strategic Vision
To maintain and develop SUT as the foremost society worldwide focusing on underwater technology, building on a reputation for high standards in publications, conferences and training courses; having a growing membership in the UK and abroad; and having significant influence with government and industry in relevant policy areas, and encouraging people to attain suitable qualifications and enter the field of underwater technology.

Public benefit
In keeping with the Charity Commission's key principles that there must be an identifiable benefit to the public or a section of the public, the Society has undertaken the following activities during this financial year:

• It has supported 45 undergraduate students and 1 post-graduate student on relevant courses at a total cost of £8,500 (2023: £8,800).

• Provided free of charge, to both members and non-members, the most highly acclaimed online magazine in the field of underwater technology and subsea engineering, entitled *UT2*, and *Underwater Robotics*.

• Provided *'Big Blue World'*: the newsletter of the Society for Underwater Technology, free of charge to both members and non-members.

• The Society has provided a free Christmas lecture programme for schools prior to Covid. Once again, in 2024 this has not been possible because of a lack of sponsorship in the local groups and the workload around the Society's September 2023 OSIG conference. A conference traditionally held every four years, but due to the impact of the Covid pandemic, returning to The Society's events programme after a five-year break. The Society is exploring developing online lectures for schools and events with schools timed at other points in the academic year, other than at Christmas, and developing these programmes with other like-minded bodies, associations and charities.

• Provided high quality subsidised training courses for industry.

Grant making policy
Grants are awarded to high-quality students at either undergraduate or postgraduate (one-year taught MSc) level undertaking courses relevant to the area of interest of the Society with the aim of encouraging more entrants to the marine disciplines.

Strategic report
The description under the headings "Achievements and performance" and "Financial review" meet the company law requirements for the Council Members to present a strategic report.

Achievements and performance
We have referred to the guidance contained in the Charity Commission's general guidance on public benefit when reviewing our aims and objectives and in planning our future activities.

The Unrestricted Funds of the Society were increased by £360,602 after allowing for £17,852 in gains on investments .

Strategic Review
In my previous report, it was announced that the SUT was initiating a Strategic Review of the aims and activities of the Society; the purpose of this review is to ensure that the Society is positioned to seize the opportunities resulting from the growth of the ocean economy and ensure the SUT's continued relevance as a Learned Society in the years ahead.

The SUT Council formed a Strategy Working Group (SWG) to perform the Strategic Review on behalf of the SUT. The primary objective of the SWG has been to guide the SUT's response to the changes that are occurring across the ocean economy as it transitions in response to pressing environmental, societal and economic challenges, as well as in recognition of the impact of emerging technologies.

Initial deliverables for the SWG are the Strategic Framework and Strategic Plan; to then be followed by an implementation plan. I know Strategy Working Group welcomes the contribution of members and especially our younger members who represent the Society's future.

Membership
One of the main drivers for the Strategic Review is to ensure that membership of the Society continues to be of value to our members both individual and corporate. We do not take the support of our existing members for granted and need to ensure they continue to see value in their membership.

Individual membership of the SUT experienced growth because of the OSIG conference and the differential conference fees for members and non-members. We hope that individuals joining the SUT for this reason will continue to see value in SUT membership. Corporate membership is steady. However, there is some flux in membership depending on when they renew their membership.

Our recently established special interest groups on Marine Environmental Science and Unexploded Ordnance continue to establish their presence and have developed new members from these sectors including new members from the offshore windfarm operators and representation from SMEs and academia as well as contributing to conference programmes.

Training
This last year has seen the SUT's in-person training courses re-assert their popularity over virtual options. The added value of physical attendance at training courses is clearly recognised by our members for the greater opportunities to interact with both the course instructors and other attendees. The USP of SUT training courses are the expertise of the presenters together with the courses site visits cannot be under-estimated.

This year, the SUT has run multiple Subsea Awareness Courses as well as the sell-out Introductory courses to Offshore Geophysics & Geotechnical Engineering and the Offshore Wind course. In addition, a training course for Metocean for Renewable Energy was run during the year. The Metocean course is intended to be a regular addition to the SUT training course offering. The strong response to these courses identifies both an ongoing need but also an appreciation of the added benefits of in person courses. Going forward there is space for both virtual and in person training courses to suit audience location and their availability.

Whilst the number of online webinars has prolifarated, the Aberdeen SUT+ and ECOIG have developed their own distincitve offering and regularly attract significant attendee numbers of online attendees.

Awards
This was the first year of the new Mick Cook Marine Site Investigation Award; this award is open all working in the field of marine site investigations and characterisations globally. The award recognises industry professionals who have made a significant contribution to Marine Site Investigation and Characterisation, covering the broad disciplines of Geophysics and Geotechnic. The SUT was pleased to announce Tor Inge Tjelta as the inaugral winner of this prestigious new award.

The President's Award was shared by Mr Ali Hynd and the ROV Club of Mintlaw Academy. The 2023 President's Award recognised Ali Hynd as an inspirational teacher and mentor to the ROV Club of Mintlaw Academy showing passion and highlighting the careers potential in the subsea and underwater industries to his students and the acknowledged ROV Club pupils endeavours in building their own ROV along with acquiring the engineering skills that will help students find their careers in the underwater, subsea sector so vital to today's world.

The Lennard-Senior Prize was presented to Professor Deborah Greaves, OBE FREng, University of Plymouth at All-Energy. The Lennard-Senior Prize is presented in recognition of outstanding individual achievement in the field of Marine Renewable Energy. Professor Greaves was recognised for her remarkable impact on the frontiers of Ocean Engineering and Renewable Energy; in academia and research, work with COAST, Supergen OREHub and the projects focused on technological advances to meet the future clean energy demands.

The Captain Don Walsh Award, a joint award with MTS, was presented at Oceanology International to Dr Peter Girguis, Professor of Organismic and Evolutionary Biology at Harvard University and Adjunct Oceanographer at Woods Hole Oceanographic Institution. This award focused on achievement is ocean exploration recognised Dr Girguis' focus on understanding how marine organisms in the deep-sea have adapted to their habitats and how they respond to a changing world. His pioneering efforts continued with the development of innovative methods to grow the deep-sea microbes that are responsible to keeping methane out of the atmosphere.

Financial review
A summary of the Society's accounts and financial statements for 2023-2024 has been included in the Annual Report. SUT acting Honorary Treasurer, Mick Cook, will present The Report and Financial Statements at the Society's AGM.

Going concern

The Council Members have given due consideration to the ability of The Society to continue as a going concern. The Society has returned a surplus of £360,602 for the financial year and at the balance sheet date the net assets of the Society are £689,428. This year has seen an unusually high surplus due to the holding of the 5-yearly OSIG conference. The society is not expected to return a surplus as large next year, and the next OSIG conference will be held in 2027.

The Society's core income streams have all continued to recover after the impact of the COVID19 pandemic and the trend towards online courses. Membership income has increased by 4.4%; Conferences and Seminars income has achieved 605.1% growth generating £864,613 of income and a £426,634 surplus for the year. Including in this figure is income generated by the OSIG conference of £692,065, and a surplus of £307,898. Conferences and Seminars income is up 40.7% excluding the income generated from OSIG 2023.

We expect the upward trend on core income to continue and The Society continues to meet its minimum reserves policy of holding fifty percent of the expected next year's expenditure in reserves.

The Members are, therefore, satisfied that the going concern basis remains appropriate.

Reserves policy

The Unrestricted Fund at 30 June 2024 amounted to £689,428 compared with an amount of £328,826 at the end of the previous year, including donations and legacies, and after allowing for gains on investments.

Educational support fund

A report for the year ending 30 June 2024 from the Educational Support Fund Management is included in this Annual Report. The financial statement regarding the Educational Support Fund appear in note 9 and included as part of the Society's Charitable Activities in the annual accounts Statement of Financial Activities including Income and Expenditure Account.

Investment policy

There are no formal restrictions on the investments made by the Society.

Major risks

The Council Members actively review the major risks which the charity faces and confirm that they have established systems to mitigate the significant risks.

Financial Risk

The Members remain cautious in terms of the Society's investment strategy and are satisfied they have taken appropriate steps to ensure that reserves are not placed at any undue risk. During the period and at the Balance Sheet date, the majority of balances held at bank were held in either current or deposit accounts with High Street banks. The make-up of fixed asset investments is given in note 17 of the Financial Statements. The majority of these investments are placed in two Charities Official Investment Funds

Plans for future periods

In the future, the Society plans to completely revitalise and overhaul its website. This will allow for, increased functionality and a more sophisticated system to help the Society manage and oversee the various activities it undertakes. It will enable streamlined communications and transfers of information between branches of the charity, as well as simplifying and enhancing the user experience. The Society expects costs for this to be in the region of £60k to £80k.

The Society has hired a new part-time administrator since the year-end to help with the increasing administrative demands and provision of support across the SUT centre staff and deliverables. There are also tentative plans to increase human resources and staff further in the future, subject to budgetary constraints.

Structure, governance and management

The Society's governing document is the Memorandum and Articles of Association and its full name is the Society for Underwater Technology Limited. The Society is a registered company limited by guarantee and a registered charity.

The Council Members, who are also the directors for the purpose of company law, and who served during the year and up to the date of signature of the financial statements were:

M Theobald	(Resigned 24 May 2024)
N J Swift	(Resigned 29 May 2024)
D M Saul	
R E Luff	(Resigned 7 December 2023)
I S Knight	(Resigned 7 December 2023)
M R Cook	(Appointed 7 December 2023 and resigned 27 February 2024)
A C Connelly	(Resigned 7 December 2023)
N Carey	(Resigned 7 December 2023)
M A Atmanand	(Resigned 7 December 2023)
G J Whitehead	(Appointed 7 December 2023)
B J Sykes	(Appointed 7 December 2023)
M M Stemp	(Appointed 7 December 2023)
T H A Sloane	
R F Rayner	
J A I Patten	
J Morgan	
S F John	
S V Duffield	(Appointed 7 December 2023)
M M Crawford	(Resigned 24 October 2024)
S Elkatib	
A Elkadi	(Appointed 7 December 2023)
G Schultz	(Appointed 24 October 2024)
D Brookes	(Appointed 24 October 2024)

None of the Members of the Council has any financial interest in the Society that requires disclosure under the Companies Act 2006. For Related Party transactions please see notes 12, 13 and 25.

Council Members are appointed for three years by a ballot among members of the Society (members comprising the classes of Fellow, Individual Member and Corporate Member), and are drawn from among these Members. Candidates must be proposed and seconded by any two other Members. Ballot forms must be sent to Members twenty-eight days before the election, which is by simple majority, and this shall take place seven days before the Annual General Meeting. Those elected shall hold office from the conclusion of this Annual General Meeting. At the end of three years, a Council Member may stand for re-election, but no Member of Council may serve for more than six consecutive years.

New Council Members were previously not provided with a formal induction pack following their election but instead, briefed verbally at the first meeting and individually as requested. However, this has now changed, and Council Members will receive a formal induction pack.

Organisational structure
A Board of Trustees (The Council) of up to or similar to 18 members, who meet quarterly, administer the Society. A Chief Executive (CEO), who is not a trustee, is appointed by The Council to manage the day-to-day operations of the Society.

Branches of the Society are established under the authority of Council in accordance with the Memorandum and Articles of the Society. They will have their own organising committee with elected officers.

The results of branches of the Society whereby the UK charity either has control, or the branch is not deemed to be administratively autonomous are consolidated in the Financial Statements.

Details of remuneration of key management personnel are disclosed in note 13. Remuneration levels for key management personnel and other employees are set by the Executive Committee, whose members are set out on the information page. The overall gross salary allowance as presented in the budget is then ratified by the full Council.

Funds held as custodian trustee
No funds are held as custodian trustee on behalf of the others.

Statement of Council Members' responsibilities
The Council Members, who are also the directors of Society for Underwater Technology (The) for the purpose of company law, are responsible for preparing the Council Members' Report and the financial statements in accordance with applicable law and United Kingdom Accounting Standards (United Kingdom Generally Accepted Accounting Practice).

Company Law requires the Council Members to prepare financial statements for each financial year which give a true and fair view of the state of affairs of the charity and of the incoming resources and application of resources, including the income and expenditure, of the charitable company for that year.

In preparing these financial statements, the Council Members are required to:

- select suitable accounting policies and then apply them consistently;

- observe the methods and principles in the Charities SORP;

- make judgements and estimates that are reasonable and prudent;

- state whether applicable UK Accounting Standards have been followed, subject to any material departures disclosed and explained in the financial statements; and

- prepare the financial statements on the going concern basis unless it is inappropriate to presume that the charity will continue in operation.

The Council Members are responsible for keeping adequate accounting records that disclose with reasonable accuracy at any time the financial position of the charity and enable them to ensure that the financial statements comply with the Companies Act 2006, the Charities and Trustee Investment (Scotland) Act 2005 and the Charities Accounts (Scotland) Regulations 2006 (as amended). They are also responsible for safeguarding the assets of the charity and hence for taking reasonable steps for the prevention and detection of fraud and other irregularities.

Auditor
In accordance with the company's articles, a resolution proposing that Anova be reappointed as auditor of the company will be put at a General Meeting.

Emissions, energy consumption and energy efficiency

The SUT is concerned not only with ocean and underwater environmental protection, but also with the Society's own environmental impact as a UK charity.

During the Covid-19 pandemic, SUT staff transitioned to home-based working. Office leases ending in 2021 were not renewed, reducing the Society's carbon footprint. No longer paying for unoccupied office space, lowered usage of utilities and no longer requiring staff to commute to London are just a few of the positive implications this change has had.

Using less energy is the most important way of reducing carbon emissions, accounting for around a half of the reduction in emissions targeted by 2050. As such, the SUT continues to consider how we incur energy demands, including: consumption in the running of the Society, the use of spaces for SUT events, requirements for the sustainability of the Society and our contribution to net zero targets. To enable this we have increased our use of digital meeting platforms, using partner meeting spaces, public transport is used as much as possible and encouraging recycling whenever possible, both in waste disposal and purchase of new supplies.

Energy efficiency is critical in every aspect of how we obtain, generate and use energy and for all three of the 'trilemma' parameters: decarbonisation, security of supply and affordability.

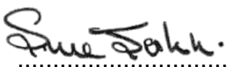
Disclosure of information to auditor

Each of the Council Members has confirmed that there is no information of which they are aware which is relevant to the audit, but of which the auditor is unaware. They have further confirmed that they have taken appropriate steps to identify such relevant information and to establish that the auditor is aware of such information.

The Council Members' report, including the strategic report, was approved by the Board of Council Members.



I. Knight (Acting Hon. Secretary)



S F John

Date: 3rd December 2024

SOCIETY FOR UNDERWATER TECHNOLOGY (THE)

INDEPENDENT AUDITOR'S REPORT

TO THE COUNCIL MEMBERS OF SOCIETY FOR UNDERWATER TECHNOLOGY (THE)

Opinion

We have audited the financial statements of Society for Underwater Technology (The) (the 'charity') for the year ended 30 June 2024 which comprise the statement of financial activities, the balance sheet, the statement of cash flows and notes to the financial statements, including significant accounting policies. The financial reporting framework that has been applied in their preparation is applicable law and United Kingdom Accounting Standards, including Financial Reporting Standard 102 *The Financial Reporting Standard applicable in the UK and Republic of Ireland* (United Kingdom Generally Accepted Accounting Practice).

In our opinion, the financial statements:

- give a true and fair view of the state of the charitable company's affairs as at 30 June 2024 and of its incoming resources and application of resources, for the year then ended;
- have been properly prepared in accordance with United Kingdom Generally Accepted Accounting Practice; and
- have been prepared in accordance with the requirements of the Companies Act 2006, the Charities and Trustee Investment (Scotland) Act 2005 and regulation 8 of the Charities Accounts (Scotland) Regulations 2006 (as amended).

Basis for opinion

We conducted our audit in accordance with International Standards on Auditing (UK) (ISAs (UK)) and applicable law. Our responsibilities under those standards are further described in the *Auditor's responsibilities for the audit of the financial statements* section of our report. We are independent of the charity in accordance with the ethical requirements that are relevant to our audit of the financial statements in the UK, including the FRC's Ethical Standard, and we have fulfilled our other ethical responsibilities in accordance with these requirements. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion.

Conclusions relating to going concern

In auditing the financial statements, we have concluded that the Council Members' use of the going concern basis of accounting in the preparation of the financial statements is appropriate.

Based on the work we have performed, we have not identified any material uncertainties relating to events or conditions that, individually or collectively, may cast significant doubt on the charity's ability to continue as a going concern for a period of at least twelve months from when the financial statements are authorised for issue.

Our responsibilities and the responsibilities of the Council Members with respect to going concern are described in the relevant sections of this report.

Other information

The other information comprises the information included in the annual report other than the financial statements and our auditor's report thereon. The Council Members are responsible for the other information contained within the annual report. Our opinion on the financial statements does not cover the other information and we do not express any form of assurance conclusion thereon. Our responsibility is to read the other information and, in doing so, consider whether the other information is materially inconsistent with the financial statements or our knowledge obtained in the course of the audit, or otherwise appears to be materially misstated. If we identify such material inconsistencies or apparent material misstatements, we are required to determine whether this gives rise to a material misstatement in the financial statements themselves. If, based on the work we have performed, we conclude that there is a material misstatement of this other information, we are required to report that fact.

We have nothing to report in this regard.

Matters on which we are required to report by exception

We have nothing to report in respect of the following matters in relation to which the Charities (Accounts and Reports) Regulations 2008 and the Charities Accounts (Scotland) Regulations 2006 (as amended) require us to report to you if, in our opinion:

- the information given in the financial statements is inconsistent in any material respect with the Council Members' report; or
- sufficient and proper accounting records have not been kept; or
- the financial statements are not in agreement with the accounting records; or
- we have not received all the information and explanations we require for our audit.

Responsibilities of Council Members

As explained more fully in the statement of Council Members' responsibilities, the Council Members, who are also the directors of the charity for the purpose of company law, are responsible for the preparation of the financial statements and for being satisfied that they give a true and fair view, and for such internal control as the Council Members determine is necessary to enable the preparation of financial statements that are free from material misstatement, whether due to fraud or error. In preparing the financial statements, the Council Members are responsible for assessing the charity's ability to continue as a going concern, disclosing, as applicable, matters related to going concern and using the going concern basis of accounting unless the Council Members either intend to liquidate the charitable company or to cease operations, or have no realistic alternative but to do so.

Auditor's responsibilities for the audit of the financial statements

We have been appointed as auditor under section 144 of the Charities Act 2011 and section 44(1)(c) of the Charities and Trustee Investment (Scotland) Act 2005 and report in accordance with the Acts and relevant regulations made or having effect thereunder.

Our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinion. Reasonable assurance is a high level of assurance but is not a guarantee that an audit conducted in accordance with ISAs (UK) will always detect a material misstatement when it exists. Misstatements can arise from fraud or error and are considered material if, individually or in the aggregate, they could reasonably be expected to influence the economic decisions of users taken on the basis of these financial statements.

Irregularities, including fraud, are instances of non-compliance with laws and regulations. We design procedures in line with our responsibilities, outlined above, to detect material misstatements in respect of irregularities, including fraud. The extent to which our procedures are capable of detecting irregularities, including fraud, is detailed below.

We identify and assess risks of material misstatement of the financial statements, whether due to fraud or error, and then design and perform audit procedures responsive to those risks, including obtaining audit evidence that is sufficient and appropriate to provide a basis for our opinion.

In identifying and assessing risks of material misstatement in respect of irregularities, including fraud and non-compliance with laws and regulations, we considered the following:
- the nature of the industry and sector, control environment and business performance;
- results of our enquiries of management about their own identification and assessment of the risks of irregularities;
- any matters we identified having obtained and reviewed the charitable company's documentation of their policies and procedures relating to:
- identifying, evaluating and complying with laws and regulations and whether they were aware of any instances of non-compliance;
- detecting and responding to the risks of fraud and whether they have knowledge of any actual, suspected or alleged fraud;
- the internal controls established to mitigate risks of fraud or non-compliance with laws and regulations;
- the matters discussed among the audit engagement team regarding how and where fraud might occur in the financial statements and any potential indicators of fraud.

As a result of these procedures, we considered the opportunities and incentives that may exist within the organisation for fraud. In common with all audits we are also required to perform specific procedures to respond to the risk of management override.

We also obtained an understanding of the legal and regulatory framework that the company operates in. The key laws and regulations we considered in this context included the UK Companies Act and Charities Act 2011.

In addition we considered provisions of other laws and regulations that do not have a direct effect on the financial statements but compliance with which may be fundamental to the company's ability to operate or to avoid a material penalty.

As a result of performing the above, we did not identify any key matters related to the potential risk of fraud or non-compliance with laws and regulations.

Our procedures to respond to risks identified included the following:
- reviewing the financial statement disclosures and testing to supporting documentation to assess compliance with relevant laws and regulations described as having a direct effect on the financial statements;
- enquiring of management concerning actual and potential litigation and claims;
- performing analytical procedures to identify any unusual or unexpected relationships that may indicate risks of material misstatement due to fraud;
- reviewing minutes of meetings of those charged with governance, reviewing internal reports and reviewing correspondence with regulators, and;
- in addressing the risk of fraud through management override of controls, testing the appropriateness of journal entries and other adjustments, assessing whether the judgements made in making accounting estimates are indicative of a potential bias and evaluating the business rationale for any significant transactions that are unusual or outside the normal course of business.

We also communicated relevant identified laws and regulations and potential fraud risks to all engagement team members and remained alert to any indication of fraud or non-compliance with laws and regulations throughout the audit.

A further description of our responsibilities is available on the Financial Reporting Council’s website at: https://www.frc.org.uk/auditorsresponsibilities. This description forms part of our auditor's report.

Other matters

It should be duly noted that the financial statements of the prior period are unaudited and thus the corresponding figures in this years' financial statements are unaudited.

Use of our report

This report is made solely to the charity’s trustees, as a body, in accordance with part 4 of the Charities (Accounts and Reports) Regulations 2008 and regulation 10 of the Charities Accounts (Scotland) Regulations 2006. Our audit work has been undertaken so that we might state to the charity's trustees those matters we are required to state to them in an auditor's report and for no other purpose. To the fullest extent permitted by law, we do not accept or assume responsibility to anyone other than the charity and the charity’s trustees as a body, for our audit work, for this report, or for the opinions we have formed.

Matthew Cleghorn FCA BSc (Hons) (Senior Statutory Auditor)
for and on behalf of Anova .....

Chartered Accountants
Statutory Auditor

The Barn, Meadow Court
Faygate Lane
Faygate
Horsham
West Sussex
RH12 4SJ

Anova is eligible for appointment as auditor of the charity by virtue of its eligibility for appointment as auditor of a company under section 1212 of the Companies Act 2006.

SOCIETY FOR UNDERWATER TECHNOLOGY (THE)

STATEMENT OF FINANCIAL ACTIVITIES INCLUDING INCOME AND EXPENDITURE ACCOUNT

FOR THE YEAR ENDED 30 JUNE 2024

Current financial year	Notes	Unrestricted funds 2024 £	Total 2023 £
Income and endowments from:			
Donations and legacies	**3**	2,578	2,802
Charitable activities	**4**	1,063,952	308,755
Investments	**6**	12,054	6,489
Other income	**7**	683	163
Total income		1,079,267	318,209
Expenditure on:	**5**		
Charitable activities	**8**	736,517	288,412
Total expenditure		736,517	288,412
Net gains/(losses) on investments	**14**	17,852	6,240
Net income and movement in funds		360,602	36,037
Reconciliation of funds:			
Fund balances brought forward		328,826	292,789
Fund balances carried forward		689,428	328,826

The statement of financial activities includes all gains and losses recognised in the year. All income and expenditure derive from continuing activities.

The notes on pages 19 to 33 form part of these financial statements.

SOCIETY FOR UNDERWATER TECHNOLOGY (THE)

STATEMENT OF FINANCIAL ACTIVITIES (CONTINUED) INCLUDING INCOME AND EXPENDITURE ACCOUNT

FOR THE YEAR ENDED 30 JUNE 2024

Prior financial year	Notes	Unrestricted funds 2023 £	Restricted funds 2023 £	Total 2023 £
Income and endowments from:				
Donations and legacies	**3**	-	2,802	2,802
Charitable activities	**4**	308,755	-	308,755
Investments	**6**	6,489	-	6,489
Other income	**7**	163	-	163
Total income		315,407	2,802	318,209
Expenditure on:	**5**			
Charitable activities	**8**	285,610	2,802	288,412
Total expenditure		285,610	2,802	288,412
Net gains/(losses) on investments	**14**	6,240	-	6,240
Net income and movement in funds		36,037	-	36,037
Reconciliation of funds:				
Fund balances at 1 July 2022		292,789	-	292,789
Fund balances at 30 June 2023		328,826	-	328,826

SOCIETY FOR UNDERWATER TECHNOLOGY (THE)

BALANCE SHEET

AS AT 30 JUNE 2024

	Notes	2024 £	2024 £	2023 £	2023 £
Fixed assets					
Tangible assets	**16**		1,926		1,158
Investments	**17**		231,958		214,106
			233,884		215,264
Current assets					
Stocks	**18**	18,532		9,779	
Debtors	**19**	24,870		217,341	
Cash at bank and in hand		474,750		318,895	
		518,152		546,015	
Creditors: amounts falling due within one year	**20**	(62,608)		(432,453)	
Net current assets			455,544		113,562
Total assets less current liabilities			689,428		328,826
The funds of the charity					
Unrestricted funds	**24**		689,428		328,826
Total charity funds			689,428		328,826

Total funds as stated above include a Fair Value Reserve of £190,193 (2023: £172,341) (see note 17)

The notes on pages 19 to 33 form part of these financial statements.

The company is entitled to the exemption from the audit requirement contained in section 477 of the Companies Act 2006, for the year ended 30 June 2024, although an audit has been carried out under section 144 of the Charities Act 2011.

The directors acknowledge their responsibilities for complying with the requirements of the Companies Act 2006 with respect to accounting records and the preparation of financial statements.

The members have not required the company to obtain an audit of its financial statements under the requirements of the Companies Act 2006, for the year in question in accordance with section 476.

These financial statements have been prepared in accordance with the provisions applicable to companies subject to the small companies regime.

The financial statements were approved by the Council Members on .....

.....
S F John

Company registration number 00932590 (England and Wales)

SOCIETY FOR UNDERWATER TECHNOLOGY (THE)

STATEMENT OF CASH FLOWS

FOR THE YEAR ENDED 30 JUNE 2024

	Notes	2024 £	2024 £	2023 £	2023 £
Cash flows from operating activities					
Cash generated from operations	**27**		145,723		267,986
Investing activities					
Purchase of tangible fixed assets		(1,922)		(1,053)	
Investment income received		12,054		6,489	
Net cash generated from investing activities			10,132		5,436
Net cash used in financing activities			-		-
Net increase in cash and cash equivalents			155,855		273,422
Cash and cash equivalents at beginning of year			318,895		45,473
Cash and cash equivalents at end of year			474,750		318,895

The notes on pages 19 to 33 form part of these financial statements.

1 Accounting policies

Charity information

Society for Underwater Technology (The) is a private company limited by guarantee incorporated in England and Wales. The registered office is 2-4 Packhorse Road, Gerrards Cross, Buckinghamshire, SL9 7QE.

1.1 Accounting convention

The financial statements have been prepared in accordance with the Statement of Recommended Practice: Accounting and Reporting by Charities preparing their accounts in accordance with the Financial Reporting Standard applicable in the UK and Republic of Ireland (FRS 102) issued in October 2019 and the Financial Reporting Standard applicable in the UK and Republic of Ireland (FRS 102), Charities Act 2011, Companies Act 2006, the Charities and Trustee Investment (Scotland) Act 2005 and the Charities Accounts (Scotland) Regulations 2006 (as amended) and UK Generally Accepted Practice as it applies from 1 January 2019.

Society for Underwater Technology meets the definition of a public benefit entity under FRS 102. Assets and liabilities are initially recognised at historical cost or transaction value unless otherwise stated in the relevant accounting policy note(s).

The legal and actual status of affiliated operations is periodically assessed by the charity. As a result the charity concludes that the operations in Perth (Australia), Houston (USA), Melbourne (Australia), West Africa, Rio de Janeiro (Brazil), Singapore and Beijing (China) do not qualify as subsidiaries under the Companies Acts 2006 or as branches under the guidance laid out by the Charities SORP (FRS 102). The detailed review of the constitutions and operations concluded that they are administratively autonomous and should therefore not be consolidated. The Society for Underwater Technology Norway NUF was established as a Norwegian branch of a foreign enterprise (NUF). The constitution of this operation varies from those mentioned above and it qualifies as a branch under the Charities SORP (FRS 102) as a result is treated as a subsidiary. The Society has taken advantage of the exemption from preparing group accounts as per SORP FRS102 S.24.6 Appendix 3 A.11.

The presentation currency is £ Sterling rounded to nearest £1.

The financial statements have been prepared under the historical cost convention. The principal accounting policies adopted are set out below.

1.2 Going concern

At the time of approving the financial statements, the Council Members have a reasonable expectation that the charity has adequate resources to continue in operational existence for the foreseeable future. Thus the Council Members continue to adopt the going concern basis of accounting in preparing the financial statements.

The Society has returned a surplus of £360,602 (2023: £36,037) for the financial year and at the balance sheet date the net assets of the Society are £689,428 (2023: £328,826).

The Society's core income streams have remained consistent with the prior year, with a one-off, exceptional amount being recognised in the current year courtesy of the 5-yearly OSIG conference, which took place in September 2023.

Total income for the society is expected to return to more routine levels next year, with the next 5-yearly OSIG conference scheduled to take place in 2027, however, we expect to see the regular income streams continue on their steady, upwards trend.

The members are therefore satisfied that the going concern basis remains appropriate.

1.3 Charitable funds

Unrestricted general funds

These are funds which can be used in accordance with the charitable objects at the discretion of the Trustees.

1 Accounting policies **(Continued)**

Designated general funds
The Society has designated general funds which it applies to the provision of the awards made to students. Monies that are designated by the Council Members can be moved back within the unrestricted general funds should the Council Members so decide.

Restricted funds
These funds can only be used for this purpose within the objects of the Society. The Society's restricted funds were all fully expended during the year and, therefore, there is no fund analysis relating to balance sheet values at the year end.

1.4 Income

Income is recognised when the charity is legally entitled to it after any performance conditions have been met, the amounts can be measured reliably, and it is probable that income will be received.

Cash donations and voluntary income are recognised on receipt. Other donations are recognised once the charity has been notified of the donation, unless performance conditions require deferral of the amount. Income tax recoverable in relation to donations received under Gift Aid or deeds of covenant is recognised at the time of the donation.

Legacies are recognised on receipt or otherwise if the charity has been notified of an impending distribution, the amount is known, and receipt is expected. If the amount is not known, the legacy is treated as a contingent asset.

Membership subscriptions are accounted for on a receivable basis and events income is included when receivable.

1.5 Expenditure

Expenditure is recognised once there is a legal or constructive obligation to transfer economic benefit to a third party, it is probable that a transfer of economic benefits will be required in settlement, and the amount of the obligation can be measured reliably.

Expenditure is classified by activity. The costs of each activity are made up of the total of direct costs and shared costs, including support costs involved in undertaking each activity. Direct costs attributable to a single activity are allocated directly to that activity. Shared costs which contribute to more than one activity and support costs which are not attributable to a single activity are apportioned between those activities on a basis consistent with the use of resources. Central staff costs are allocated on the basis of time spent, and depreciation charges are allocated on the portion of the asset's use.

Grants payable are charged against income upon approval of the grant, in so far as the grant is payable from current resources.

1.6 Tangible fixed assets

Tangible fixed assets are initially measured at cost and subsequently measured at cost or valuation, net of depreciation and any impairment losses.

Depreciation is recognised so as to write off the cost or valuation of assets less their residual values over their useful lives on the following bases:

Office furniture and equipment	20% reducing balance
Computers	33% straight line

The gain or loss arising on the disposal of an asset is determined as the difference between the sale proceeds and the carrying value of the asset, and is recognised in the statement of financial activities.

1 Accounting policies **(Continued)**

1.7 Fixed asset investments

Investments are valued at the prevailing market price as at the Balance Sheet date. Realised and unrealised gains (or losses) are reflected in the Statement of Financial Activities in the year in which they occur. No distinction is made between realised and unrealised gains in the Statement of Financial Activities as the Trustees consider that the disclosure of total gains/losses show a truer and fairer view.

1.8 Impairment of fixed assets

At each reporting end date, the charity reviews the carrying amounts of its tangible assets to determine whether there is any indication that those assets have suffered an impairment loss. If any such indication exists, the recoverable amount of the asset is estimated in order to determine the extent of the impairment loss (if any).

1.9 Stocks

Stock is valued at the lower of net realisable value and cost. Cost is valued on a first in first out basis.

Net realisable value is the estimated selling price less all estimated costs of completion and costs to be incurred in marketing, selling and distribution.

1.10 Cash and cash equivalents

Cash and cash equivalents include cash in hand, deposits held at call with banks, other short-term liquid investments with original maturities of three months or less, and bank overdrafts. Bank overdrafts are shown within borrowings in current liabilities.

1.11 Financial instruments

The charity has elected to apply the provisions of Section 11 ‘Basic Financial Instruments’ and Section 12 ‘Other Financial Instruments Issues’ of FRS 102 to all of its financial instruments.

Financial instruments are recognised in the charity's balance sheet when the charity becomes party to the contractual provisions of the instrument.

Financial assets and liabilities are offset, with the net amounts presented in the financial statements, when there is a legally enforceable right to set off the recognised amounts and there is an intention to settle on a net basis or to realise the asset and settle the liability simultaneously.

Basic financial assets

Basic financial assets, which include debtors and cash and bank balances, are initially measured at transaction price including transaction costs and are subsequently carried at amortised cost using the effective interest method unless the arrangement constitutes a financing transaction, where the transaction is measured at the present value of the future receipts discounted at a market rate of interest. Financial assets classified as receivable within one year are not amortised.

Basic financial liabilities

Basic financial liabilities, including creditors and bank loans are initially recognised at transaction price unless the arrangement constitutes a financing transaction, where the debt instrument is measured at the present value of the future payments discounted at a market rate of interest. Financial liabilities classified as payable within one year are not amortised.

Debt instruments are subsequently carried at amortised cost, using the effective interest rate method.

Trade creditors are obligations to pay for goods or services that have been acquired in the ordinary course of operations from suppliers. Amounts payable are classified as current liabilities if payment is due within one year or less. If not, they are presented as non-current liabilities. Trade creditors are recognised initially at transaction price and subsequently measured at amortised cost using the effective interest method.

1 Accounting policies **(Continued)**

Derecognition of financial liabilities

Financial liabilities are derecognised when the charity's contractual obligations expire or are discharged or cancelled.

1.12 Employee benefits

The cost of any unused holiday entitlement is recognised in the period in which the employee's services are received.

Termination benefits are recognised immediately as an expense when the charity is demonstrably committed to terminate the employment of an employee or to provide termination benefits.

1.13 Retirement benefits

Payments to defined contribution retirement benefit schemes are charged as an expense as they fall due.

1.14 Foreign exchange

Assets and liabilities denominated in foreign currencies are translated at the rate of exchange ruling at the Balance Sheet date. Transactions are translated at the rate of exchange ruling at the date of the transaction. All exchange differences are reflected in the Statement of Financial Activities.

1.15 Redundancy payments

Redundancy payments due to employees for termination of employment during the year are fully recognised in the current financial year.

1.16 Government grants receivable

Government grants are recognised when there is reasonable assurance that the grant conditions will be met and that the grants will be received.

2 Critical accounting estimates and judgements

In the application of the charity's accounting policies, the Council Members are required to make judgements, estimates and assumptions about the carrying amount of assets and liabilities that are not readily apparent from other sources. The estimates and associated assumptions are based on historical experience and other factors that are considered to be relevant. Actual results may differ from these estimates.

The estimates and underlying assumptions are reviewed on an ongoing basis. Revisions to accounting estimates are recognised in the period in which the estimate is revised where the revision affects only that period, or in the period of the revision and future periods where the revision affects both current and future periods.

3 Income from donations and legacies

	Unrestricted funds 2024	Restricted funds 2024	Total 2024	Unrestricted funds 2023	Restricted funds 2023	Total 2023
	£	£	£	£	£	£
Donations and gifts	1,578	-	1,578	-	2,802	2,802
Sponsorships for awards	1,000	-	1,000	-	-	-
	2,578	-	2,578	-	2,802	2,802

4 Income from charitable activities

	Unrestricted funds 2024 £	Unrestricted funds 2023 £
Membership subscriptions		
Corporate members	143,122	138,711
Individual members	42,467	39,108
Conferences and seminars		
Training courses	140,765	109,000
Conferences and workshops	19,765	884
OSIG 2023 conference (5-yearly)	692,065	-
Other events	-	125
Branch activities	12,018	12,607
Publications, journals, newsletters and educational products		
Other income	13,750	8,320
	1,063,952	308,755

5 Conferences and seminars

	2024			2023		
	Income	Expenditure	Surplus/(deficit)	Income	Expenditure	Surplus/(deficit)
OSIG 2023 Conference (5-Yearly)	692,065	384,167	307,898	-	-	-
Training Courses						
OSIG Course Jan 2023	-	-	-	29,100	267	28,833
Wind Course Feb 2023	-	-	-	8,970	-	8,970
Qualification of New Technology	-	-	-	-	16	(16)
VSAG - Wood	-	-	-	10,230	-	10,230
Defence SIG @ OB	-	-	-	1,400	1,480	(80)
SW Geoform 6	-	-	-	4,800	4,163	637
SSAC Sept 2022	-	-	-	16,600	3,321	13,279
SAC March 2023	-	-	-	17,400	2,840	14,560
SAC May 2023	-	-	-	20,500	3,159	17,341
SAC November 2023	20,200	3,118	17,082	-	-	-
SAC February 2024	19,900	3,551	16,349	-	-	-
SAC June 2024	18,900	4,432	14,468	-	-	-
OSIG Course May 2024 - Southampton	29,680	7,528	22,152	-	-	-
Offshore Wind Energy Course - Newcastle	10,030	3,470	6,561	-	-	-
MetOcean course for ScottishPower Renewables	15,400	6,000	9,400	-	-	-
Wind Course April 2024	9,894	4,299	5,595	-	-	-
DSTL Project	12,333	10,533	1,800	-	-	-
UXO in the Marine Environment @ OI (free event)	-	8	(8)	-	-	-
LSE Lunch & Learn 29.02.24 - free event	-	8	(8)	-	-	-

5 Conferences and seminars **(Continued)**

OSIG SW Geoforum 7	4,428	1,221	3,207	-	-	-
ECOSIGG Industry Insights & Networking	-	8	(8)	-	-	-
	140,765	44,176	96,589	109,000	15,246	93,754
Conference and workshops						
SUT/Masts Workshop	1,765	2,515	(750)	884	2,877	(1,993)
Oceanology International Conference (Bi-Annual)	18,000	-	18,000	-	-	-
	19,765	2,515	17,250	884	2,877	(1,993)
Events						
Annual General Meeting	-	2,144	(2,144)	125	1,231	(1,106)
	-	2,144	(2,144)	125	1,231	(1,106)
Branch activities						
Aberdeen						
Breakfast Meeting	-	-	-	1,365	1,265	100
SUT + Chartership	-	-	-	-	229	(229)
SUT/THSIS/IMCA Seminar	-	-	-	929	7	922
Worlds First Hydrogen Producing Offshore Wind Turb	-	-	-	600	477	123
AGM	-	-	-	-	343	(343)
CCUS	-	-	-	580	396	184
Subsea Electrification	-	-	-	435	379	56
AGM + Pub Quiz January 2024	911	759	152	-	-	-
Business Breakfast - Jan 2024	2,059	1,087	972	-	-	-
Protecting Offshore Systems from Cyber Threats - P	-	10	(10)	-	-	-
SUT+ Chartership Event (free - expenses only)	-	300	(300)	-	-	-
THSIS/SUT	470	21	449	-	-	-
Gadgets & Widgets 2023	1,545	627	918	-	-	-
London						
"Something Old, Something New"	-	-	-	307	112	195
SustainaVERSE @ Lloyds	-	-	-	-	114	(114)
Pub Quiz	-	-	-	1,133	620	513
LSE Pub Quiz 2023	1,704	1,227	477	-	-	-
LSE Eve Mtg Sept 2023	247	129	117	-	-	-
Newcastle						
Nov 2022/Offshore Turbines	-	-	-	243	43	200
Feb 2023/Subsea Motor Devs	-	-	-	148	52	96
June 2023 + Enshore visit	-	-	-	153	25	128
Biomimetics and Biofouling	50	25	25	-	-	-
Subsea Imaging & VR	129	51	78	-	-	-
NoE Eve Meeting June 2024	104	33	71	-	-	-
Middle East						
UAE Online conference - Developments in Umbilical	-	-	-	1,600	-	1,600

5 Conferences and seminars **(Continued)**

UAE web "New Eyes in the Deep"	-	-	-	1,112	-	1,112
UAE - Emergency Pipeline Repair Systems	-	-	-	2,352	851	1,501
UAE - Decommissioning Technologies	-	-	-	1,650	-	1,650
Road to COP28/Renewables (UAE)	2,112	297	1,815	-	-	-
UAE event - Why Subsea Industry Data Matters for COP28	1,088	85	1,002	-	-	-
UAE HVDC Systems	1,599	325	1,274	-	-	-
	12,018	4,976	7,042	12,607	4,913	7,694
	864,613	437,979	426,634	122,616	24,267	98,349

6 Income from investments

	Unrestricted funds 2024 £	Unrestricted funds 2023 £
Interest and dividends receivable	12,054	6,489

7 Other income

	Unrestricted funds 2024 £	Unrestricted funds 2023 £
Other income	683	163

8 Expenditure on charitable activities

	Other direct charitable expenditure 2024	Grants 2024	Total 2024	Other direct charitable expenditure 2023	Grants 2023	Total 2023
	£	£	£	£	£	£
Direct costs						
Staff costs	144,882	-	144,882	133,492	-	133,492
Depreciation and impairment	808	-	808	874	-	874
Publications, journals and newsletters	4,540	-	4,540	4,750	-	4,750
Training courses	44,176	-	44,176	15,246	-	15,246
Conferences and workshops	2,515	-	2,515	2,877	-	2,877
OSIG 2023 conference (5-yearly)	384,167	-	384,167	-	-	-
Other events	2,144	-	2,144	1,231	-	1,231
Branch activities	4,976	-	4,976	4,913	-	4,913
Computer maintenance	7,696	-	7,696	5,716	-	5,716
Insurance	1,417	-	1,417	1,541	-	1,541
Travel	8,656	-	8,656	8,001	-	8,001
Marketing and advertising	15,543	-	15,543	4,093	-	4,093
Postage	84	-	84	160	-	160
Staff recruitment and training	92	-	92	269	-	269
Stationery and office expenses	6,259	-	6,259	5,556	-	5,556
Subscriptions	225	-	225	205	-	205
Telephone	1,177	-	1,177	1,200	-	1,200
	629,357	-	629,357	190,124	-	190,124
Grant funding of activities (see note 9)	-	10,400	10,400	-	11,420	11,420
Share of support and governance costs (see note 10)						
Support	96,760	-	96,760	86,868	-	86,868
	726,117	10,400	736,517	276,992	11,420	288,412
Analysis by fund						
Unrestricted funds	726,117	10,400	736,517	276,992	8,618	285,610
Restricted funds	-	-	-	-	2,802	2,802
	726,117	10,400	736,517	276,992	11,420	288,412

9 Grants payable

	Grants 2024	Grants 2023
	£	£
Grants to individuals	10,400	11,420
Comprising of:		
Educational support fund	8,500	10,000
Other awards	1,900	1,420
	10,400	11,420

10 Support costs allocated to activities

		Other direct charitable expenditure 2024	Total 2023
		£	£
	Basis of allocation		
Staff costs	*Allocated on time*	62,093	57,211
Depreciation	*Allocated on time*	346	375
Bank charges	*Wholly attributable*	3,806	3,569
Computer maintenance	*Allocated on time*	3,299	2,450
Insurance	*Allocated on time*	608	661
Postage	*Usage allocation*	10	18
Software licences	*Wholly attributable*	2,476	2,776
Staff recruitment and training	*Allocated on time*	40	115
Stationery and office expenses	*Usage allocation*	1,565	1,389
Subscriptions	*Apportioned equally*	226	205
Telephone	*Usage allocation*	505	515
Marketing	*Apportioned equally*	5,032	4,094
Governance	*Wholly attributable*	16,754	13,490
		96,760	86,868

Governance costs comprise:	2024 £	2023 £
Audit fees	6,500	3,150
Accountancy	3,559	8,100
Legal and professional	6,695	-
Bad debts	-	2,240
	16,754	13,490

11 Net movement in funds

	2024	2023
	£	£
The net movement in funds is stated after charging/(crediting):		
Fees payable for the audit of the charity's financial statements	6,500	3,150
Depreciation of owned tangible fixed assets	1,154	1,249

12 Council Members

None of the Council Members (or any persons connected with them) received any remuneration or benefits from the charity during the year.

Council members were re-imbursed for expenditure relating to the activities of the society, totalling £3,428. The total balance owed to council members at the balance sheet date was £182.

13 Employees

The average monthly number of employees during the year was:

	2024	2023
	Number	Number
Direct charitable activities	2	2
Management and administration of the charity	2	2
Total	4	4

Employment costs	2024	2023
	£	£
Wages and salaries	185,441	167,110
Social security costs	16,571	18,580
Other pension costs	4,963	5,013
	206,975	190,703

The number of employees whose annual remuneration was more than £60,000 is as follows:

	2024	2023
	Number	Number
£80,001 -£90,000	-	1
£90,001 -£100,000	1	-

13 Employees (Continued)

Remuneration of key management personnel

The remuneration of key management personnel was as follows:

	2024	2023
	£	£
Aggregate compensation	90,296	81,097

14 Gains and losses on investments

	Unrestricted funds 2024	Unrestricted funds 2023
Gains/(losses) arising on:	£	£
Revaluation of investments	17,852	6,240

15 Taxation

The charity is exempt from taxation on its activities because all its income is applied for charitable purposes.

16 Tangible fixed assets

	Office furniture and equipment	Computers	Total
	£	£	£
Cost			
At 1 July 2023	4,477	46,098	50,575
Additions	-	1,922	1,922
At 30 June 2024	4,477	48,020	52,497
Depreciation and impairment			
At 1 July 2023	4,129	45,288	49,417
Depreciation charged in the year	67	1,087	1,154
At 30 June 2024	4,196	46,375	50,571
Carrying amount			
At 30 June 2024	281	1,645	1,926
At 30 June 2023	348	810	1,158

17 Fixed asset investments

	Listed investments	Charities Official Investment Fund	Total
	£	£	£
Cost or valuation			
At 1 July 2023	356	213,750	214,106
Valuation changes	139	17,713	17,852
At 30 June 2024	495	231,463	231,958
Carrying amount			
At 30 June 2024	495	231,463	231,958
At 30 June 2023	356	213,750	214,106

Fixed asset investments revalued

All investments have been revalued at the balance sheet date based on the market value at that date. The historical cost of the investments is: Listed investments £2,106 (2023: £2,106) and Charities Official Investment Fund £39,659 (2023: £39,659).

18 Stocks

	2024	2023
	£	£
Books for resale	18,532	9,779

19 Debtors

	2024	2023
Amounts falling due within one year:	£	£
Trade debtors	20,684	53,392
Amounts owed by fellow group undertakings	3,252	3,252
Prepayments and accrued income	934	160,697
	24,870	217,341

20 Creditors: amounts falling due within one year

	Notes	2024 £	2023 £
Other taxation and social security		9,516	23,329
Deferred income	21	31,697	391,550
Trade creditors		6,491	4,430
Other creditors		3,655	4,067
Accruals		11,249	9,077
		62,608	432,453

Income is deferred when it has been either invoiced or received in the current financial year, but relates to future periods.

21 Deferred income

	2024 £	2023 £
Other deferred income	31,697	391,550

Deferred income is included in the financial statements as follows:

	2024 £	2023 £
Deferred income is included within:		
Current liabilities	31,697	391,550
Movements in the year:		
Deferred income at 1 July 2023	391,550	4,507
Released from previous periods	(391,327)	(4,507)
Resources deferred in the year	31,474	391,550
Deferred income at 30 June 2024	31,697	391,550

22 Retirement benefit schemes

Defined contribution schemes	2024 £	2023 £
Charge to profit or loss in respect of defined contribution schemes	4,963	5,013

The charity operates a defined contribution pension scheme for all qualifying employees. The assets of the scheme are held separately from those of the charity in an independently administered fund.

23 Restricted funds

The restricted funds of the charity comprise the unexpended balances of donations and grants held on trust subject to specific conditions by donors as to how they may be used.

Previous year:	At 1 July 2022	Incoming resources	Resources expended	At 30 June 2023
	£	£	£	£
Educational Support Fund	-	2,802	(2,802)	-

The Education Support Fund was established to provide educational grants to students. The original restricted funds have all been expended. The Society continues to collect small amounts for the fund during the year at events and through the Just Giving platform. the amounts collected during the year are fully expended during the year.

24 Unrestricted funds

The unrestricted funds of the charity comprise the unexpended balances of donations and grants which are not subject to specific conditions by donors and grantors as to how they may be used. These include designated funds which have been set aside out of unrestricted funds by the trustees for specific purposes.

	At 1 July 2023	Incoming resources	Resources expended	Gains and losses	At 30 June 2024
	£	£	£	£	£
General funds	328,826	1,079,267	(736,517)	17,852	689,428

Previous year:	At 1 July 2022	Incoming resources	Resources expended	Gains and losses	At 30 June 2023
	£	£	£	£	£
General funds	292,789	315,407	(285,610)	6,240	328,826

25 Limited liability of members

In accordance with the Memorandum and Articles of Association, Fellows, Individual Members and Corporate Members (but not Associate Members and Student Members) are deemed to be Members of the Society within the context and as such have a limited liability of £5 per member in the event of the Society being wound up.

26 Related party transactions

Transactions with related parties

During the year the charity entered into the following transactions with related parties:

26 Related party transactions **(Continued)**

The total amount of income received without conditions from trustees during the year was £252 (2023: £1,286).

Transactions with trustees are disclosed in note 12.

Key management personnel remuneration is disclosed in note 13.

There are no other disclosable related party transactions during the year.

27 Cash generated from operations

	2024	2023
	£	£
Surplus for the year	360,602	36,037
Adjustments for:		
Investment income recognised in statement of financial activities	(12,054)	(6,489)
Fair value gains and losses on investments	(17,852)	(6,240)
Depreciation and impairment of tangible fixed assets	1,154	1,249
Movements in working capital:		
(Increase)/decrease in stocks	(8,753)	71
Decrease/(increase) in debtors	192,471	(166,005)
(Decrease)/increase in creditors	(9,992)	22,320
(Decrease)/increase in deferred income	(359,853)	387,043
Cash generated from operations	145,723	267,986

28 Analysis of changes in net funds

The charity had no material debt during the year.

Charity registration number 256659 (England and Wales)

Charity registration number SC043942 (Scotland)

Company registration number 00932590 (England and Wales)

SOCIETY FOR UNDERWATER TECHNOLOGY (THE)

ANNUAL REPORT AND FINANCIAL STATEMENTS

FOR THE YEAR ENDED 30 JUNE 2024

SOCIETY FOR UNDERWATER TECHNOLOGY (THE)

LEGAL AND ADMINISTRATIVE INFORMATION

President	B Sykes
Chair and Vice President	S John
Hon Treasurer	G Schultz
Hon Secretary	D Brookes
Chief Executive (CEO)	C A Burgess
Registered office	2-4 Packhorse Road Gerrards Cross Buckinghamshire SL9 7QE
Charity number (England and Wales)	256659
Charity number (Scotland)	SC043942
Company number	00932590
Auditor	Anova The Barn, Meadow Court Faygate Lane Faygate Horsham West Sussex RH12 4SJ
Bankers	Barclays Bank plc and Bank of Scotland plc
Solicitors	Gordons Partnership 22 Great James Street London WC1N 3ES

SOCIETY FOR UNDERWATER TECHNOLOGY (THE)

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SOCIETY FOR UNDERWATER TECHNOLOGY (THE)

CHAIR'S REPORT

FOR THE YEAR ENDED 30 JUNE 2024

Annual Report of the Chair, Sue John

As I conclude my term as the elected Chair of Council with this AGM and report, I am once again amazed by the dedication of SUT volunteers, who have generously given their time during an incredibly busy year.

A glance at the Society's events webpage reveals just how active our special interest groups and branches have been, organising a wide range of professional, networking, and social events, from conferences and technical evenings to webinars, podcasts, and the revival of SUT Branches. Over the past year, they've delivered more than 15 training sessions, 32 technical meetings, 25 social events, and 15 conferences/workshops, along with site visits and contributions to SUT publications.

I must also acknowledge the invaluable contributions of our volunteer training course presenters. Not only do they deliver our industry-recognised courses, but they also help develop the content, ensure it remains current, and contribute to the delegate programmes. Additionally, I would like to thank the member companies that host site visits for course delegates, as well as for SUT+ and ECOSSIG activities.

I extend my heartfelt thanks to all members who generously give their time and expertise to support the Society in achieving the successes I've highlighted. Of course, the SUT's strength doesn't lie with volunteers alone—we are also fortunate to have a dedicated team of staff. Their work is crucial to the Society's future, with staff based across three continents—in Perth, Western Australia; Houston, Texas; and here in the UK. Whether they are managing our finances, promoting events, coordinating memberships, or simply providing support when needed, their efforts ensure the smooth running of the Society's operations worldwide.

Finance and Accounts

Before approving the 2023-2024 budget, SUT Council members recognised that the 9th OSIG Conference, held in London in September 2023, would generate a significant surplus for the Society. Sponsorship for the event was secured early, starting in the 2022-2023 financial year, and delegate registrations exceeded targets by mid-2023, with the event selling out prior to the registration deadline.

The 2023-2024 accounts also reflect the strong performance of SUT's training courses, including the Subsea Awareness Course in Aberdeen, the Offshore Wind Course in Newcastle, the OSIG course in Southampton, and the online Metocean course for offshore renewable energy. Each contributed to the Society's surplus.

Additional sponsorship for various SUT events helped keep costs down for members, allowing some events to be free or cost-neutral, with pricing for chargeable events reflecting member benefits. I would like to extend my gratitude to all the sponsors who supported SUT events over the past year.

Conferences

The 9th International OSIG Conference, which had been postponed due to Covid, made a highly successful return in 2023. Thanks to the hard work of the OSIG organising committee, led by Conference Chair Toby Powell, and the support of SUT staff, the event was a sell-out with global attendance. I would also like to acknowledge the contributions of Mick Cook and Mike Fearn for their efforts in managing the conference finances and securing sponsors, helping to further establish OSIG as a globally recognised brand. A total of 412 abstracts were submitted, with 250 accepted, leading to three full days of presentations to standing-room-only audiences. Plans are already underway for the next OSIG Conference in September 2027.

OSIG was not the only event in 2023/2024. SUT's presence was felt across various conferences and exhibitions, including the Autonomous Marine Technology Conference, SPE Offshore Europe, ADIPEC, the Annual Salvage, Decommissioning and Wreck Removal Workshop in Glasgow, Subsea Expo, Oceanology International, MCE-DD, AOG Perth, Subsea Technology Eastern Mediterranean, All-Energy in Glasgow, and The Combined Naval Event in Farnborough.

Importantly, the Society does not operate in isolation. Throughout the year, we have collaborated with key industry organisations, including the Global Underwater Hub and the International Marine Contractors Association. We also partnered as the Learned Society with RX, DMG, and Endeavour B2B to support major industry events, contributing to their technical programmes and side sessions.

Strategy Working Group

In July 2023, the SUT Council established a limited-term Strategy Working Group (SWG), co-chaired by Ralph Rayner and Nick Swift. The purpose of this sub-committee is to develop a long-term Strategic Framework and Strategic Plan to guide the Society's future growth in service of its members and in line with its charitable aims.

This initiative has brought together international perspectives on key strategic themes, and I extend my thanks to all participants in the working group. There are no quick or simple solutions to the challenges the SUT will face in the coming years, but we eagerly anticipate the completion of the Strategic Framework and look forward to your feedback.

As we approach SUT's 60th Anniversary in 2026, we encourage members to contribute their ideas for events and meetings. Please share your suggestions with SUT CEO, Cheryl Burgess.

Educational Support Fund

The Society's Educational Support Fund (ESF) awarded scholarships in 2023 to undergraduate and postgraduate students across various disciplines, including engineering and environmental science. Graduating recipients from the 2023-2024 period include Erin Nicholson, Bartol Sikora, Ryan Lin, and Francesca Fehlberg, all of whom are pursuing marine and subsea-related careers.

Awards

The Society remains committed to recognising exceptional contributions to our industry sectors, as well as inspiring achievements.

The inaugural Mick Cook Award for Marine Site Investigation celebrates excellence in marine site investigations and characterisations across the global disciplines of geophysics and geotechnics. This year, the award was presented to Tor Inge Tjelta at the OSIG 2023 conference, where the judging panel acknowledged his innovative contributions to offshore site investigations and geotechnical engineering, highlighting his integrated geological, geophysical, and geotechnical approaches in complex project settings.

The President's Award was awarded to Ali Hynd, an inspirational teacher at Mintlaw Academy in Aberdeenshire, for his dedication to the school's ROV club, where students design and build their own remotely operated vehicles. Through his efforts, Ali is helping to nurture the next generation of professionals in robotics and subsea engineering. We commend all teachers whose passion ignites curiosity and encourages students to pursue careers in our beloved industries.

Additionally, the Lennard-Senior Memorial Prize was presented to Professor Deborah Greaves, OBE, at All-Energy in Glasgow, recognising her outstanding individual achievements in the field of Marine Renewable Energy.

Finally, Dr Peter Girguis, a Professor of Organismic and Evolutionary Biology at Harvard University and Adjunct Oceanographer at Woods Hole Oceanographic Institution, received the prestigious Captain Don Walsh Award for Ocean Exploration at Oceanology International in March 2024. Described by his peers as "the epitome of a deep-sea explorer" and "a man for all ocean seasons," Peter's contributions to ocean exploration are truly commendable.

Communications

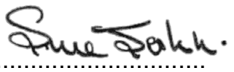
The Underwater Technology Podcast, hosted by Martin Stemp and produced by Emily Boddy, continues to deliver engaging and informative episodes for members and those with an interest in underwater technology, marine science, and subsea engineering. If you haven't already, I highly recommend tuning in—downloads have now exceeded 28,600.

In addition, members have access to our quarterly newsletter, *Big Blue World*, as well as *UT2* and *Underwater Robotics* magazine. I encourage all members to contribute news, articles on innovation, project updates, or thought pieces for inclusion in *Big Blue World*.

This year, I would like to recognise the exceptional contribution of one staff member in particular. Our Membership and Finance Officer, Jane Hinton, has just completed 30 years of service with the SUT. Initially joining as a temporary employee, Jane's potential was quickly recognised, leading to her becoming a permanent and invaluable member of the team. As the key contact for membership enquiries and finance, Jane's professionalism and meticulous management of the Society's accounts have been outstanding. While retirement may eventually call, we are fortunate to have her continued dedication and expertise, and we extend our deepest thanks for her remarkable service.

Lastly, I want to express our gratitude to our corporate members, whose sponsorship underpins the efforts of our volunteers. Over the past three years, we've seen the Society bounce back from the challenges of the Covid pandemic, launching a new branch in the Eastern Mediterranean and revitalising our Norway branch. Interest in new branches, training courses, and innovations continues to grow, with our Special Interest Groups playing a crucial role in advancing science and technology.

Thank you to all SUT staff, volunteers, corporate members, and sponsors for making this success possible.



S John
Chair of the Council

Date: 3rd December 2024

SOCIETY FOR UNDERWATER TECHNOLOGY (THE)

COUNCIL MEMBERS' REPORT (INCLUDING DIRECTORS' REPORT AND STRATEGIC REPORT)

FOR THE YEAR ENDED 30 JUNE 2024

The Council Members present their annual report and financial statements for the year ended 30 June 2024.

The financial statements have been prepared in accordance with the accounting policies set out in note 1 to the financial statements and comply with the charity's governing document, the Companies Act 2006, the Charities and Trustee Investment (Scotland) Act 2005, the Charities Accounts (Scotland) Regulations 2006 (as amended) and "Accounting and Reporting by Charities: Statement of Recommended Practice applicable to charities preparing their accounts in accordance with the Financial Reporting Standard applicable in the UK and Republic of Ireland (FRS 102)" (effective 1 January 2019).

Introduction
Earlier this year was the 4th anniversary of the start of the Covid pandemic and the ensuing lockdown. It is hard to believe how much our lives changed and how long we will have to live with the longer-term impacts of what happened. Thankfully, the SUT continues to rebound, and our activities and events over this last year are reflective of this return to a more recognizable normality and growth.

Of particular note was the running one of the SUT's premier events, the 9th edition of the International OSIG Conference "Innovative Geotechnologies for Energy Transition" held in September 2023 in London. I know how much effort goes into organizing this event and making it the success that it is.

In recent years, the SUT Council has been focused on financial matters, then the pandemic, but this was the year when the Council's focus shifted to the future, and how the SUT can embrace the opportunities ahead of it. It is, of course, important that the Council remains reflective of the SUT membership if it is to guide the SUT in the years ahead and ensure the continued vibrancy of the Society.

Objectives and activities
The Society is principally engaged in the promotion of awareness in all aspects related to underwater technology. Its Mission and Strategic Vision are described as follows:

Mission
The Society for Underwater Technology (SUT) is an international body actively promoting the development, dissemination and exchange of ideas, information and technology arising from or related to the underwater environment.

Strategic Vision
To maintain and develop SUT as the foremost society worldwide focusing on underwater technology, building on a reputation for high standards in publications, conferences and training courses; having a growing membership in the UK and abroad; and having significant influence with government and industry in relevant policy areas, and encouraging people to attain suitable qualifications and enter the field of underwater technology.

Public benefit
In keeping with the Charity Commission's key principles that there must be an identifiable benefit to the public or a section of the public, the Society has undertaken the following activities during this financial year:

• It has supported 45 undergraduate students and 1 post-graduate student on relevant courses at a total cost of £8,500 (2023: £8,800).

• Provided free of charge, to both members and non-members, the most highly acclaimed online magazine in the field of underwater technology and subsea engineering, entitled *UT2*, and *Underwater Robotics*.

• Provided *'Big Blue World'*: the newsletter of the Society for Underwater Technology, free of charge to both members and non-members.

• The Society has provided a free Christmas lecture programme for schools prior to Covid. Once again, in 2024 this has not been possible because of a lack of sponsorship in the local groups and the workload around the Society's September 2023 OSIG conference. A conference traditionally held every four years, but due to the impact of the Covid pandemic, returning to The Society's events programme after a five-year break. The Society is exploring developing online lectures for schools and events with schools timed at other points in the academic year, other than at Christmas, and developing these programmes with other like-minded bodies, associations and charities.

• Provided high quality subsidised training courses for industry.

Grant making policy
Grants are awarded to high-quality students at either undergraduate or postgraduate (one-year taught MSc) level undertaking courses relevant to the area of interest of the Society with the aim of encouraging more entrants to the marine disciplines.

Strategic report
The description under the headings "Achievements and performance" and "Financial review" meet the company law requirements for the Council Members to present a strategic report.

Achievements and performance
We have referred to the guidance contained in the Charity Commission's general guidance on public benefit when reviewing our aims and objectives and in planning our future activities.

The Unrestricted Funds of the Society were increased by £360,602 after allowing for £17,852 in gains on investments .

Strategic Review
In my previous report, it was announced that the SUT was initiating a Strategic Review of the aims and activities of the Society; the purpose of this review is to ensure that the Society is positioned to seize the opportunities resulting from the growth of the ocean economy and ensure the SUT's continued relevance as a Learned Society in the years ahead.

The SUT Council formed a Strategy Working Group (SWG) to perform the Strategic Review on behalf of the SUT. The primary objective of the SWG has been to guide the SUT's response to the changes that are occurring across the ocean economy as it transitions in response to pressing environmental, societal and economic challenges, as well as in recognition of the impact of emerging technologies.

Initial deliverables for the SWG are the Strategic Framework and Strategic Plan; to then be followed by an implementation plan. I know Strategy Working Group welcomes the contribution of members and especially our younger members who represent the Society's future.

Membership
One of the main drivers for the Strategic Review is to ensure that membership of the Society continues to be of value to our members both individual and corporate. We do not take the support of our existing members for granted and need to ensure they continue to see value in their membership.

Individual membership of the SUT experienced growth because of the OSIG conference and the differential conference fees for members and non-members. We hope that individuals joining the SUT for this reason will continue to see value in SUT membership. Corporate membership is steady. However, there is some flux in membership depending on when they renew their membership.

Our recently established special interest groups on Marine Environmental Science and Unexploded Ordnance continue to establish their presence and have developed new members from these sectors including new members from the offshore windfarm operators and representation from SMEs and academia as well as contributing to conference programmes.

Training
This last year has seen the SUT's in-person training courses re-assert their popularity over virtual options. The added value of physical attendance at training courses is clearly recognised by our members for the greater opportunities to interact with both the course instructors and other attendees. The USP of SUT training courses are the expertise of the presenters together with the courses site visits cannot be under-estimated.

This year, the SUT has run multiple Subsea Awareness Courses as well as the sell-out Introductory courses to Offshore Geophysics & Geotechnical Engineering and the Offshore Wind course. In addition, a training course for Metocean for Renewable Energy was run during the year. The Metocean course is intended to be a regular addition to the SUT training course offering. The strong response to these courses identifies both an ongoing need but also an appreciation of the added benefits of in person courses. Going forward there is space for both virtual and in person training courses to suit audience location and their availability.

Whilst the number of online webinars has prolifarated, the Aberdeen SUT+ and ECOIG have developed their own distincitve offering and regularly attract significant attendee numbers of online attendees.

Awards
This was the first year of the new Mick Cook Marine Site Investigation Award; this award is open all working in the field of marine site investigations and characterisations globally. The award recognises industry professionals who have made a significant contribution to Marine Site Investigation and Characterisation, covering the broad disciplines of Geophysics and Geotechnic. The SUT was pleased to announce Tor Inge Tjelta as the inaugral winner of this prestigious new award.

The President's Award was shared by Mr Ali Hynd and the ROV Club of Mintlaw Academy. The 2023 President's Award recognised Ali Hynd as an inspirational teacher and mentor to the ROV Club of Mintlaw Academy showing passion and highlighting the careers potential in the subsea and underwater industries to his students and the acknowledged ROV Club pupils endeavours in building their own ROV along with acquiring the engineering skills that will help students find their careers in the underwater, subsea sector so vital to today's world.

The Lennard-Senior Prize was presented to Professor Deborah Greaves, OBE FREng, University of Plymouth at All-Energy. The Lennard-Senior Prize is presented in recognition of outstanding individual achievement in the field of Marine Renewable Energy. Professor Greaves was recognised for her remarkable impact on the frontiers of Ocean Engineering and Renewable Energy; in academia and research, work with COAST, Supergen OREHub and the projects focused on technological advances to meet the future clean energy demands.

The Captain Don Walsh Award, a joint award with MTS, was presented at Oceanology International to Dr Peter Girguis, Professor of Organismic and Evolutionary Biology at Harvard University and Adjunct Oceanographer at Woods Hole Oceanographic Institution. This award focused on achievement is ocean exploration recognised Dr Girguis' focus on understanding how marine organisms in the deep-sea have adapted to their habitats and how they respond to a changing world. His pioneering efforts continued with the development of innovative methods to grow the deep-sea microbes that are responsible to keeping methane out of the atmosphere.

Financial review
A summary of the Society's accounts and financial statements for 2023-2024 has been included in the Annual Report. SUT acting Honorary Treasurer, Mick Cook, will present The Report and Financial Statements at the Society's AGM.

Going concern

The Council Members have given due consideration to the ability of The Society to continue as a going concern. The Society has returned a surplus of £360,602 for the financial year and at the balance sheet date the net assets of the Society are £689,428. This year has seen an unusually high surplus due to the holding of the 5-yearly OSIG conference. The society is not expected to return a surplus as large next year, and the next OSIG conference will be held in 2027.

The Society's core income streams have all continued to recover after the impact of the COVID19 pandemic and the trend towards online courses. Membership income has increased by 4.4%; Conferences and Seminars income has achieved 605.1% growth generating £864,613 of income and a £426,634 surplus for the year. Including in this figure is income generated by the OSIG conference of £692,065, and a surplus of £307,898. Conferences and Seminars income is up 40.7% excluding the income generated from OSIG 2023.

We expect the upward trend on core income to continue and The Society continues to meet its minimum reserves policy of holding fifty percent of the expected next year's expenditure in reserves.

The Members are, therefore, satisfied that the going concern basis remains appropriate.

Reserves policy

The Unrestricted Fund at 30 June 2024 amounted to £689,428 compared with an amount of £328,826 at the end of the previous year, including donations and legacies, and after allowing for gains on investments.

Educational support fund

A report for the year ending 30 June 2024 from the Educational Support Fund Management is included in this Annual Report. The financial statement regarding the Educational Support Fund appear in note 9 and included as part of the Society's Charitable Activities in the annual accounts Statement of Financial Activities including Income and Expenditure Account.

Investment policy

There are no formal restrictions on the investments made by the Society.

Major risks

The Council Members actively review the major risks which the charity faces and confirm that they have established systems to mitigate the significant risks.

Financial Risk

The Members remain cautious in terms of the Society's investment strategy and are satisfied they have taken appropriate steps to ensure that reserves are not placed at any undue risk. During the period and at the Balance Sheet date, the majority of balances held at bank were held in either current or deposit accounts with High Street banks. The make-up of fixed asset investments is given in note 17 of the Financial Statements. The majority of these investments are placed in two Charities Official Investment Funds

Plans for future periods

In the future, the Society plans to completely revitalise and overhaul its website. This will allow for, increased functionality and a more sophisticated system to help the Society manage and oversee the various activities it undertakes. It will enable streamlined communications and transfers of information between branches of the charity, as well as simplifying and enhancing the user experience. The Society expects costs for this to be in the region of £60k to £80k.

The Society has hired a new part-time administrator since the year-end to help with the increasing administrative demands and provision of support across the SUT centre staff and deliverables. There are also tentative plans to increase human resources and staff further in the future, subject to budgetary constraints.

Structure, governance and management

The Society's governing document is the Memorandum and Articles of Association and its full name is the Society for Underwater Technology Limited. The Society is a registered company limited by guarantee and a registered charity.

The Council Members, who are also the directors for the purpose of company law, and who served during the year and up to the date of signature of the financial statements were:

M Theobald	(Resigned 24 May 2024)
N J Swift	(Resigned 29 May 2024)
D M Saul	
R E Luff	(Resigned 7 December 2023)
I S Knight	(Resigned 7 December 2023)
M R Cook	(Appointed 7 December 2023 and resigned 27 February 2024)
A C Connelly	(Resigned 7 December 2023)
N Carey	(Resigned 7 December 2023)
M A Atmanand	(Resigned 7 December 2023)
G J Whitehead	(Appointed 7 December 2023)
B J Sykes	(Appointed 7 December 2023)
M M Stemp	(Appointed 7 December 2023)
T H A Sloane	
R F Rayner	
J A I Patten	
J Morgan	
S F John	
S V Duffield	(Appointed 7 December 2023)
M M Crawford	(Resigned 24 October 2024)
S Elkatib	
A Elkadi	(Appointed 7 December 2023)
G Schultz	(Appointed 24 October 2024)
D Brookes	(Appointed 24 October 2024)

None of the Members of the Council has any financial interest in the Society that requires disclosure under the Companies Act 2006. For Related Party transactions please see notes 12, 13 and 25.

Council Members are appointed for three years by a ballot among members of the Society (members comprising the classes of Fellow, Individual Member and Corporate Member), and are drawn from among these Members. Candidates must be proposed and seconded by any two other Members. Ballot forms must be sent to Members twenty-eight days before the election, which is by simple majority, and this shall take place seven days before the Annual General Meeting. Those elected shall hold office from the conclusion of this Annual General Meeting. At the end of three years, a Council Member may stand for re-election, but no Member of Council may serve for more than six consecutive years.

New Council Members were previously not provided with a formal induction pack following their election but instead, briefed verbally at the first meeting and individually as requested. However, this has now changed, and Council Members will receive a formal induction pack.

Organisational structure
A Board of Trustees (The Council) of up to or similar to 18 members, who meet quarterly, administer the Society. A Chief Executive (CEO), who is not a trustee, is appointed by The Council to manage the day-to-day operations of the Society.

Branches of the Society are established under the authority of Council in accordance with the Memorandum and Articles of the Society. They will have their own organising committee with elected officers.

The results of branches of the Society whereby the UK charity either has control, or the branch is not deemed to be administratively autonomous are consolidated in the Financial Statements.

Details of remuneration of key management personnel are disclosed in note 13. Remuneration levels for key management personnel and other employees are set by the Executive Committee, whose members are set out on the information page. The overall gross salary allowance as presented in the budget is then ratified by the full Council.

Funds held as custodian trustee
No funds are held as custodian trustee on behalf of the others.

Statement of Council Members' responsibilities
The Council Members, who are also the directors of Society for Underwater Technology (The) for the purpose of company law, are responsible for preparing the Council Members' Report and the financial statements in accordance with applicable law and United Kingdom Accounting Standards (United Kingdom Generally Accepted Accounting Practice).

Company Law requires the Council Members to prepare financial statements for each financial year which give a true and fair view of the state of affairs of the charity and of the incoming resources and application of resources, including the income and expenditure, of the charitable company for that year.

In preparing these financial statements, the Council Members are required to:

- select suitable accounting policies and then apply them consistently;

- observe the methods and principles in the Charities SORP;

- make judgements and estimates that are reasonable and prudent;

- state whether applicable UK Accounting Standards have been followed, subject to any material departures disclosed and explained in the financial statements; and

- prepare the financial statements on the going concern basis unless it is inappropriate to presume that the charity will continue in operation.

The Council Members are responsible for keeping adequate accounting records that disclose with reasonable accuracy at any time the financial position of the charity and enable them to ensure that the financial statements comply with the Companies Act 2006, the Charities and Trustee Investment (Scotland) Act 2005 and the Charities Accounts (Scotland) Regulations 2006 (as amended). They are also responsible for safeguarding the assets of the charity and hence for taking reasonable steps for the prevention and detection of fraud and other irregularities.

Auditor
In accordance with the company's articles, a resolution proposing that Anova be reappointed as auditor of the company will be put at a General Meeting.

Emissions, energy consumption and energy efficiency

The SUT is concerned not only with ocean and underwater environmental protection, but also with the Society's own environmental impact as a UK charity.

During the Covid-19 pandemic, SUT staff transitioned to home-based working. Office leases ending in 2021 were not renewed, reducing the Society's carbon footprint. No longer paying for unoccupied office space, lowered usage of utilities and no longer requiring staff to commute to London are just a few of the positive implications this change has had.

Using less energy is the most important way of reducing carbon emissions, accounting for around a half of the reduction in emissions targeted by 2050. As such, the SUT continues to consider how we incur energy demands, including: consumption in the running of the Society, the use of spaces for SUT events, requirements for the sustainability of the Society and our contribution to net zero targets. To enable this we have increased our use of digital meeting platforms, using partner meeting spaces, public transport is used as much as possible and encouraging recycling whenever possible, both in waste disposal and purchase of new supplies.

Energy efficiency is critical in every aspect of how we obtain, generate and use energy and for all three of the 'trilemma' parameters: decarbonisation, security of supply and affordability.

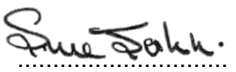
Disclosure of information to auditor

Each of the Council Members has confirmed that there is no information of which they are aware which is relevant to the audit, but of which the auditor is unaware. They have further confirmed that they have taken appropriate steps to identify such relevant information and to establish that the auditor is aware of such information.

The Council Members' report, including the strategic report, was approved by the Board of Council Members.



I. Knight (Acting Hon. Secretary)



S F John

Date: 3rd December 2024

SOCIETY FOR UNDERWATER TECHNOLOGY (THE)

INDEPENDENT AUDITOR'S REPORT

TO THE COUNCIL MEMBERS OF SOCIETY FOR UNDERWATER TECHNOLOGY (THE)

Opinion

We have audited the financial statements of Society for Underwater Technology (The) (the 'charity') for the year ended 30 June 2024 which comprise the statement of financial activities, the balance sheet, the statement of cash flows and notes to the financial statements, including significant accounting policies. The financial reporting framework that has been applied in their preparation is applicable law and United Kingdom Accounting Standards, including Financial Reporting Standard 102 *The Financial Reporting Standard applicable in the UK and Republic of Ireland* (United Kingdom Generally Accepted Accounting Practice).

In our opinion, the financial statements:

- give a true and fair view of the state of the charitable company's affairs as at 30 June 2024 and of its incoming resources and application of resources, for the year then ended;
- have been properly prepared in accordance with United Kingdom Generally Accepted Accounting Practice; and
- have been prepared in accordance with the requirements of the Companies Act 2006, the Charities and Trustee Investment (Scotland) Act 2005 and regulation 8 of the Charities Accounts (Scotland) Regulations 2006 (as amended).

Basis for opinion

We conducted our audit in accordance with International Standards on Auditing (UK) (ISAs (UK)) and applicable law. Our responsibilities under those standards are further described in the *Auditor's responsibilities for the audit of the financial statements* section of our report. We are independent of the charity in accordance with the ethical requirements that are relevant to our audit of the financial statements in the UK, including the FRC's Ethical Standard, and we have fulfilled our other ethical responsibilities in accordance with these requirements. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion.

Conclusions relating to going concern

In auditing the financial statements, we have concluded that the Council Members' use of the going concern basis of accounting in the preparation of the financial statements is appropriate.

Based on the work we have performed, we have not identified any material uncertainties relating to events or conditions that, individually or collectively, may cast significant doubt on the charity's ability to continue as a going concern for a period of at least twelve months from when the financial statements are authorised for issue.

Our responsibilities and the responsibilities of the Council Members with respect to going concern are described in the relevant sections of this report.

Other information

The other information comprises the information included in the annual report other than the financial statements and our auditor's report thereon. The Council Members are responsible for the other information contained within the annual report. Our opinion on the financial statements does not cover the other information and we do not express any form of assurance conclusion thereon. Our responsibility is to read the other information and, in doing so, consider whether the other information is materially inconsistent with the financial statements or our knowledge obtained in the course of the audit, or otherwise appears to be materially misstated. If we identify such material inconsistencies or apparent material misstatements, we are required to determine whether this gives rise to a material misstatement in the financial statements themselves. If, based on the work we have performed, we conclude that there is a material misstatement of this other information, we are required to report that fact.

We have nothing to report in this regard.

Matters on which we are required to report by exception

We have nothing to report in respect of the following matters in relation to which the Charities (Accounts and Reports) Regulations 2008 and the Charities Accounts (Scotland) Regulations 2006 (as amended) require us to report to you if, in our opinion:

- the information given in the financial statements is inconsistent in any material respect with the Council Members' report; or
- sufficient and proper accounting records have not been kept; or
- the financial statements are not in agreement with the accounting records; or
- we have not received all the information and explanations we require for our audit.

Responsibilities of Council Members

As explained more fully in the statement of Council Members' responsibilities, the Council Members, who are also the directors of the charity for the purpose of company law, are responsible for the preparation of the financial statements and for being satisfied that they give a true and fair view, and for such internal control as the Council Members determine is necessary to enable the preparation of financial statements that are free from material misstatement, whether due to fraud or error. In preparing the financial statements, the Council Members are responsible for assessing the charity's ability to continue as a going concern, disclosing, as applicable, matters related to going concern and using the going concern basis of accounting unless the Council Members either intend to liquidate the charitable company or to cease operations, or have no realistic alternative but to do so.

Auditor's responsibilities for the audit of the financial statements

We have been appointed as auditor under section 144 of the Charities Act 2011 and section 44(1)(c) of the Charities and Trustee Investment (Scotland) Act 2005 and report in accordance with the Acts and relevant regulations made or having effect thereunder.

Our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinion. Reasonable assurance is a high level of assurance but is not a guarantee that an audit conducted in accordance with ISAs (UK) will always detect a material misstatement when it exists. Misstatements can arise from fraud or error and are considered material if, individually or in the aggregate, they could reasonably be expected to influence the economic decisions of users taken on the basis of these financial statements.

Irregularities, including fraud, are instances of non-compliance with laws and regulations. We design procedures in line with our responsibilities, outlined above, to detect material misstatements in respect of irregularities, including fraud. The extent to which our procedures are capable of detecting irregularities, including fraud, is detailed below.

We identify and assess risks of material misstatement of the financial statements, whether due to fraud or error, and then design and perform audit procedures responsive to those risks, including obtaining audit evidence that is sufficient and appropriate to provide a basis for our opinion.

In identifying and assessing risks of material misstatement in respect of irregularities, including fraud and non-compliance with laws and regulations, we considered the following:
- the nature of the industry and sector, control environment and business performance;
- results of our enquiries of management about their own identification and assessment of the risks of irregularities;
- any matters we identified having obtained and reviewed the charitable company's documentation of their policies and procedures relating to:
- identifying, evaluating and complying with laws and regulations and whether they were aware of any instances of non-compliance;
- detecting and responding to the risks of fraud and whether they have knowledge of any actual, suspected or alleged fraud;
- the internal controls established to mitigate risks of fraud or non-compliance with laws and regulations;
- the matters discussed among the audit engagement team regarding how and where fraud might occur in the financial statements and any potential indicators of fraud.

As a result of these procedures, we considered the opportunities and incentives that may exist within the organisation for fraud. In common with all audits we are also required to perform specific procedures to respond to the risk of management override.

We also obtained an understanding of the legal and regulatory framework that the company operates in. The key laws and regulations we considered in this context included the UK Companies Act and Charities Act 2011.

In addition we considered provisions of other laws and regulations that do not have a direct effect on the financial statements but compliance with which may be fundamental to the company's ability to operate or to avoid a material penalty.

As a result of performing the above, we did not identify any key matters related to the potential risk of fraud or non-compliance with laws and regulations.

Our procedures to respond to risks identified included the following:
- reviewing the financial statement disclosures and testing to supporting documentation to assess compliance with relevant laws and regulations described as having a direct effect on the financial statements;
- enquiring of management concerning actual and potential litigation and claims;
- performing analytical procedures to identify any unusual or unexpected relationships that may indicate risks of material misstatement due to fraud;
- reviewing minutes of meetings of those charged with governance, reviewing internal reports and reviewing correspondence with regulators, and;
- in addressing the risk of fraud through management override of controls, testing the appropriateness of journal entries and other adjustments, assessing whether the judgements made in making accounting estimates are indicative of a potential bias and evaluating the business rationale for any significant transactions that are unusual or outside the normal course of business.

We also communicated relevant identified laws and regulations and potential fraud risks to all engagement team members and remained alert to any indication of fraud or non-compliance with laws and regulations throughout the audit.

A further description of our responsibilities is available on the Financial Reporting Council’s website at: https://www.frc.org.uk/auditorsresponsibilities. This description forms part of our auditor's report.

Other matters

It should be duly noted that the financial statements of the prior period are unaudited and thus the corresponding figures in this years' financial statements are unaudited.

Use of our report

This report is made solely to the charity’s trustees, as a body, in accordance with part 4 of the Charities (Accounts and Reports) Regulations 2008 and regulation 10 of the Charities Accounts (Scotland) Regulations 2006. Our audit work has been undertaken so that we might state to the charity's trustees those matters we are required to state to them in an auditor's report and for no other purpose. To the fullest extent permitted by law, we do not accept or assume responsibility to anyone other than the charity and the charity’s trustees as a body, for our audit work, for this report, or for the opinions we have formed.

Matthew Cleghorn FCA BSc (Hons) (Senior Statutory Auditor)
for and on behalf of Anova .....

Chartered Accountants
Statutory Auditor

The Barn, Meadow Court
Faygate Lane
Faygate
Horsham
West Sussex
RH12 4SJ

Anova is eligible for appointment as auditor of the charity by virtue of its eligibility for appointment as auditor of a company under section 1212 of the Companies Act 2006.

SOCIETY FOR UNDERWATER TECHNOLOGY (THE)

STATEMENT OF FINANCIAL ACTIVITIES INCLUDING INCOME AND EXPENDITURE ACCOUNT

FOR THE YEAR ENDED 30 JUNE 2024

Current financial year	Notes	Unrestricted funds 2024 £	Total 2023 £
Income and endowments from:			
Donations and legacies	**3**	2,578	2,802
Charitable activities	**4**	1,063,952	308,755
Investments	**6**	12,054	6,489
Other income	**7**	683	163
Total income		1,079,267	318,209
Expenditure on:	**5**		
Charitable activities	**8**	736,517	288,412
Total expenditure		736,517	288,412
Net gains/(losses) on investments	**14**	17,852	6,240
Net income and movement in funds		360,602	36,037
Reconciliation of funds:			
Fund balances brought forward		328,826	292,789
Fund balances carried forward		689,428	328,826

The statement of financial activities includes all gains and losses recognised in the year. All income and expenditure derive from continuing activities.

The notes on pages 19 to 33 form part of these financial statements.

SOCIETY FOR UNDERWATER TECHNOLOGY (THE)

STATEMENT OF FINANCIAL ACTIVITIES (CONTINUED) INCLUDING INCOME AND EXPENDITURE ACCOUNT

FOR THE YEAR ENDED 30 JUNE 2024

Prior financial year	Notes	Unrestricted funds 2023 £	Restricted funds 2023 £	Total 2023 £
Income and endowments from:				
Donations and legacies	**3**	-	2,802	2,802
Charitable activities	**4**	308,755	-	308,755
Investments	**6**	6,489	-	6,489
Other income	**7**	163	-	163
Total income		315,407	2,802	318,209
Expenditure on:	**5**			
Charitable activities	**8**	285,610	2,802	288,412
Total expenditure		285,610	2,802	288,412
Net gains/(losses) on investments	**14**	6,240	-	6,240
Net income and movement in funds		36,037	-	36,037
Reconciliation of funds:				
Fund balances at 1 July 2022		292,789	-	292,789
Fund balances at 30 June 2023		328,826	-	328,826

SOCIETY FOR UNDERWATER TECHNOLOGY (THE)

BALANCE SHEET

AS AT 30 JUNE 2024

	Notes	2024 £	2024 £	2023 £	2023 £
Fixed assets					
Tangible assets	**16**		1,926		1,158
Investments	**17**		231,958		214,106
			233,884		215,264
Current assets					
Stocks	**18**	18,532		9,779	
Debtors	**19**	24,870		217,341	
Cash at bank and in hand		474,750		318,895	
		518,152		546,015	
Creditors: amounts falling due within one year	**20**	(62,608)		(432,453)	
Net current assets			455,544		113,562
Total assets less current liabilities			689,428		328,826
The funds of the charity					
Unrestricted funds	**24**		689,428		328,826
Total charity funds			689,428		328,826

Total funds as stated above include a Fair Value Reserve of £190,193 (2023: £172,341) (see note 17)

The notes on pages 19 to 33 form part of these financial statements.

The company is entitled to the exemption from the audit requirement contained in section 477 of the Companies Act 2006, for the year ended 30 June 2024, although an audit has been carried out under section 144 of the Charities Act 2011.

The directors acknowledge their responsibilities for complying with the requirements of the Companies Act 2006 with respect to accounting records and the preparation of financial statements.

The members have not required the company to obtain an audit of its financial statements under the requirements of the Companies Act 2006, for the year in question in accordance with section 476.

These financial statements have been prepared in accordance with the provisions applicable to companies subject to the small companies regime.

The financial statements were approved by the Council Members on .....

.....
S F John

Company registration number 00932590 (England and Wales)

SOCIETY FOR UNDERWATER TECHNOLOGY (THE)

STATEMENT OF CASH FLOWS

FOR THE YEAR ENDED 30 JUNE 2024

	Notes	2024 £	2024 £	2023 £	2023 £
Cash flows from operating activities					
Cash generated from operations	**27**		145,723		267,986
Investing activities					
Purchase of tangible fixed assets		(1,922)		(1,053)	
Investment income received		12,054		6,489	
Net cash generated from investing activities			10,132		5,436
Net cash used in financing activities			-		-
Net increase in cash and cash equivalents			155,855		273,422
Cash and cash equivalents at beginning of year			318,895		45,473
Cash and cash equivalents at end of year			474,750		318,895

The notes on pages 19 to 33 form part of these financial statements.

1 Accounting policies

Charity information

Society for Underwater Technology (The) is a private company limited by guarantee incorporated in England and Wales. The registered office is 2-4 Packhorse Road, Gerrards Cross, Buckinghamshire, SL9 7QE.

1.1 Accounting convention

The financial statements have been prepared in accordance with the Statement of Recommended Practice: Accounting and Reporting by Charities preparing their accounts in accordance with the Financial Reporting Standard applicable in the UK and Republic of Ireland (FRS 102) issued in October 2019 and the Financial Reporting Standard applicable in the UK and Republic of Ireland (FRS 102), Charities Act 2011, Companies Act 2006, the Charities and Trustee Investment (Scotland) Act 2005 and the Charities Accounts (Scotland) Regulations 2006 (as amended) and UK Generally Accepted Practice as it applies from 1 January 2019.

Society for Underwater Technology meets the definition of a public benefit entity under FRS 102. Assets and liabilities are initially recognised at historical cost or transaction value unless otherwise stated in the relevant accounting policy note(s).

The legal and actual status of affiliated operations is periodically assessed by the charity. As a result the charity concludes that the operations in Perth (Australia), Houston (USA), Melbourne (Australia), West Africa, Rio de Janeiro (Brazil), Singapore and Beijing (China) do not qualify as subsidiaries under the Companies Acts 2006 or as branches under the guidance laid out by the Charities SORP (FRS 102). The detailed review of the constitutions and operations concluded that they are administratively autonomous and should therefore not be consolidated. The Society for Underwater Technology Norway NUF was established as a Norwegian branch of a foreign enterprise (NUF). The constitution of this operation varies from those mentioned above and it qualifies as a branch under the Charities SORP (FRS 102) as a result is treated as a subsidiary. The Society has taken advantage of the exemption from preparing group accounts as per SORP FRS102 S.24.6 Appendix 3 A.11.

The presentation currency is £ Sterling rounded to nearest £1.

The financial statements have been prepared under the historical cost convention. The principal accounting policies adopted are set out below.

1.2 Going concern

At the time of approving the financial statements, the Council Members have a reasonable expectation that the charity has adequate resources to continue in operational existence for the foreseeable future. Thus the Council Members continue to adopt the going concern basis of accounting in preparing the financial statements.

The Society has returned a surplus of £360,602 (2023: £36,037) for the financial year and at the balance sheet date the net assets of the Society are £689,428 (2023: £328,826).

The Society's core income streams have remained consistent with the prior year, with a one-off, exceptional amount being recognised in the current year courtesy of the 5-yearly OSIG conference, which took place in September 2023.

Total income for the society is expected to return to more routine levels next year, with the next 5-yearly OSIG conference scheduled to take place in 2027, however, we expect to see the regular income streams continue on their steady, upwards trend.

The members are therefore satisfied that the going concern basis remains appropriate.

1.3 Charitable funds

Unrestricted general funds

These are funds which can be used in accordance with the charitable objects at the discretion of the Trustees.

1 Accounting policies **(Continued)**

Designated general funds
The Society has designated general funds which it applies to the provision of the awards made to students. Monies that are designated by the Council Members can be moved back within the unrestricted general funds should the Council Members so decide.

Restricted funds
These funds can only be used for this purpose within the objects of the Society. The Society's restricted funds were all fully expended during the year and, therefore, there is no fund analysis relating to balance sheet values at the year end.

1.4 Income

Income is recognised when the charity is legally entitled to it after any performance conditions have been met, the amounts can be measured reliably, and it is probable that income will be received.

Cash donations and voluntary income are recognised on receipt. Other donations are recognised once the charity has been notified of the donation, unless performance conditions require deferral of the amount. Income tax recoverable in relation to donations received under Gift Aid or deeds of covenant is recognised at the time of the donation.

Legacies are recognised on receipt or otherwise if the charity has been notified of an impending distribution, the amount is known, and receipt is expected. If the amount is not known, the legacy is treated as a contingent asset.

Membership subscriptions are accounted for on a receivable basis and events income is included when receivable.

1.5 Expenditure

Expenditure is recognised once there is a legal or constructive obligation to transfer economic benefit to a third party, it is probable that a transfer of economic benefits will be required in settlement, and the amount of the obligation can be measured reliably.

Expenditure is classified by activity. The costs of each activity are made up of the total of direct costs and shared costs, including support costs involved in undertaking each activity. Direct costs attributable to a single activity are allocated directly to that activity. Shared costs which contribute to more than one activity and support costs which are not attributable to a single activity are apportioned between those activities on a basis consistent with the use of resources. Central staff costs are allocated on the basis of time spent, and depreciation charges are allocated on the portion of the asset's use.

Grants payable are charged against income upon approval of the grant, in so far as the grant is payable from current resources.

1.6 Tangible fixed assets

Tangible fixed assets are initially measured at cost and subsequently measured at cost or valuation, net of depreciation and any impairment losses.

Depreciation is recognised so as to write off the cost or valuation of assets less their residual values over their useful lives on the following bases:

Office furniture and equipment	20% reducing balance
Computers	33% straight line

The gain or loss arising on the disposal of an asset is determined as the difference between the sale proceeds and the carrying value of the asset, and is recognised in the statement of financial activities.

1 Accounting policies **(Continued)**

1.7 Fixed asset investments

Investments are valued at the prevailing market price as at the Balance Sheet date. Realised and unrealised gains (or losses) are reflected in the Statement of Financial Activities in the year in which they occur. No distinction is made between realised and unrealised gains in the Statement of Financial Activities as the Trustees consider that the disclosure of total gains/losses show a truer and fairer view.

1.8 Impairment of fixed assets

At each reporting end date, the charity reviews the carrying amounts of its tangible assets to determine whether there is any indication that those assets have suffered an impairment loss. If any such indication exists, the recoverable amount of the asset is estimated in order to determine the extent of the impairment loss (if any).

1.9 Stocks

Stock is valued at the lower of net realisable value and cost. Cost is valued on a first in first out basis.

Net realisable value is the estimated selling price less all estimated costs of completion and costs to be incurred in marketing, selling and distribution.

1.10 Cash and cash equivalents

Cash and cash equivalents include cash in hand, deposits held at call with banks, other short-term liquid investments with original maturities of three months or less, and bank overdrafts. Bank overdrafts are shown within borrowings in current liabilities.

1.11 Financial instruments

The charity has elected to apply the provisions of Section 11 ‘Basic Financial Instruments’ and Section 12 ‘Other Financial Instruments Issues’ of FRS 102 to all of its financial instruments.

Financial instruments are recognised in the charity's balance sheet when the charity becomes party to the contractual provisions of the instrument.

Financial assets and liabilities are offset, with the net amounts presented in the financial statements, when there is a legally enforceable right to set off the recognised amounts and there is an intention to settle on a net basis or to realise the asset and settle the liability simultaneously.

Basic financial assets

Basic financial assets, which include debtors and cash and bank balances, are initially measured at transaction price including transaction costs and are subsequently carried at amortised cost using the effective interest method unless the arrangement constitutes a financing transaction, where the transaction is measured at the present value of the future receipts discounted at a market rate of interest. Financial assets classified as receivable within one year are not amortised.

Basic financial liabilities

Basic financial liabilities, including creditors and bank loans are initially recognised at transaction price unless the arrangement constitutes a financing transaction, where the debt instrument is measured at the present value of the future payments discounted at a market rate of interest. Financial liabilities classified as payable within one year are not amortised.

Debt instruments are subsequently carried at amortised cost, using the effective interest rate method.

Trade creditors are obligations to pay for goods or services that have been acquired in the ordinary course of operations from suppliers. Amounts payable are classified as current liabilities if payment is due within one year or less. If not, they are presented as non-current liabilities. Trade creditors are recognised initially at transaction price and subsequently measured at amortised cost using the effective interest method.

1 Accounting policies **(Continued)**

Derecognition of financial liabilities

Financial liabilities are derecognised when the charity's contractual obligations expire or are discharged or cancelled.

1.12 Employee benefits

The cost of any unused holiday entitlement is recognised in the period in which the employee's services are received.

Termination benefits are recognised immediately as an expense when the charity is demonstrably committed to terminate the employment of an employee or to provide termination benefits.

1.13 Retirement benefits

Payments to defined contribution retirement benefit schemes are charged as an expense as they fall due.

1.14 Foreign exchange

Assets and liabilities denominated in foreign currencies are translated at the rate of exchange ruling at the Balance Sheet date. Transactions are translated at the rate of exchange ruling at the date of the transaction. All exchange differences are reflected in the Statement of Financial Activities.

1.15 Redundancy payments

Redundancy payments due to employees for termination of employment during the year are fully recognised in the current financial year.

1.16 Government grants receivable

Government grants are recognised when there is reasonable assurance that the grant conditions will be met and that the grants will be received.

2 Critical accounting estimates and judgements

In the application of the charity's accounting policies, the Council Members are required to make judgements, estimates and assumptions about the carrying amount of assets and liabilities that are not readily apparent from other sources. The estimates and associated assumptions are based on historical experience and other factors that are considered to be relevant. Actual results may differ from these estimates.

The estimates and underlying assumptions are reviewed on an ongoing basis. Revisions to accounting estimates are recognised in the period in which the estimate is revised where the revision affects only that period, or in the period of the revision and future periods where the revision affects both current and future periods.

3 Income from donations and legacies

	Unrestricted funds 2024	Restricted funds 2024	Total 2024	Unrestricted funds 2023	Restricted funds 2023	Total 2023
	£	£	£	£	£	£
Donations and gifts	1,578	-	1,578	-	2,802	2,802
Sponsorships for awards	1,000	-	1,000	-	-	-
	2,578	-	2,578	-	2,802	2,802

4 Income from charitable activities

	Unrestricted funds 2024 £	Unrestricted funds 2023 £
Membership subscriptions		
Corporate members	143,122	138,711
Individual members	42,467	39,108
Conferences and seminars		
Training courses	140,765	109,000
Conferences and workshops	19,765	884
OSIG 2023 conference (5-yearly)	692,065	-
Other events	-	125
Branch activities	12,018	12,607
Publications, journals, newsletters and educational products		
Other income	13,750	8,320
	1,063,952	308,755

5 Conferences and seminars

	2024			2023		
	Income	Expenditure	Surplus/(deficit)	Income	Expenditure	Surplus/(deficit)
OSIG 2023 Conference (5-Yearly)	692,065	384,167	307,898	-	-	-
Training Courses						
OSIG Course Jan 2023	-	-	-	29,100	267	28,833
Wind Course Feb 2023	-	-	-	8,970	-	8,970
Qualification of New Technology	-	-	-	-	16	(16)
VSAG - Wood	-	-	-	10,230	-	10,230
Defence SIG @ OB	-	-	-	1,400	1,480	(80)
SW Geoform 6	-	-	-	4,800	4,163	637
SSAC Sept 2022	-	-	-	16,600	3,321	13,279
SAC March 2023	-	-	-	17,400	2,840	14,560
SAC May 2023	-	-	-	20,500	3,159	17,341
SAC November 2023	20,200	3,118	17,082	-	-	-
SAC February 2024	19,900	3,551	16,349	-	-	-
SAC June 2024	18,900	4,432	14,468	-	-	-
OSIG Course May 2024 - Southampton	29,680	7,528	22,152	-	-	-
Offshore Wind Energy Course - Newcastle	10,030	3,470	6,561	-	-	-
MetOcean course for ScottishPower Renewables	15,400	6,000	9,400	-	-	-
Wind Course April 2024	9,894	4,299	5,595	-	-	-
DSTL Project	12,333	10,533	1,800	-	-	-
UXO in the Marine Environment @ OI (free event)	-	8	(8)	-	-	-
LSE Lunch & Learn 29.02.24 - free event	-	8	(8)	-	-	-

5 Conferences and seminars **(Continued)**

OSIG SW Geoforum 7	4,428	1,221	3,207	-	-	-
ECOSIGG Industry Insights & Networking	-	8	(8)	-	-	-
	140,765	44,176	96,589	109,000	15,246	93,754
Conference and workshops						
SUT/Masts Workshop	1,765	2,515	(750)	884	2,877	(1,993)
Oceanology International Conference (Bi-Annual)	18,000	-	18,000	-	-	-
	19,765	2,515	17,250	884	2,877	(1,993)
Events						
Annual General Meeting	-	2,144	(2,144)	125	1,231	(1,106)
	-	2,144	(2,144)	125	1,231	(1,106)
Branch activities						
Aberdeen						
Breakfast Meeting	-	-	-	1,365	1,265	100
SUT + Chartership	-	-	-	-	229	(229)
SUT/THSIS/IMCA Seminar	-	-	-	929	7	922
Worlds First Hydrogen Producing Offshore Wind Turb	-	-	-	600	477	123
AGM	-	-	-	-	343	(343)
CCUS	-	-	-	580	396	184
Subsea Electrification	-	-	-	435	379	56
AGM + Pub Quiz January 2024	911	759	152	-	-	-
Business Breakfast - Jan 2024	2,059	1,087	972	-	-	-
Protecting Offshore Systems from Cyber Threats - P	-	10	(10)	-	-	-
SUT+ Chartership Event (free - expenses only)	-	300	(300)	-	-	-
THSIS/SUT	470	21	449	-	-	-
Gadgets & Widgets 2023	1,545	627	918	-	-	-
London						
"Something Old, Something New"	-	-	-	307	112	195
SustainaVERSE @ Lloyds	-	-	-	-	114	(114)
Pub Quiz	-	-	-	1,133	620	513
LSE Pub Quiz 2023	1,704	1,227	477	-	-	-
LSE Eve Mtg Sept 2023	247	129	117	-	-	-
Newcastle						
Nov 2022/Offshore Turbines	-	-	-	243	43	200
Feb 2023/Subsea Motor Devs	-	-	-	148	52	96
June 2023 + Enshore visit	-	-	-	153	25	128
Biomimetics and Biofouling	50	25	25	-	-	-
Subsea Imaging & VR	129	51	78	-	-	-
NoE Eve Meeting June 2024	104	33	71	-	-	-
Middle East						
UAE Online conference - Developments in Umbilical	-	-	-	1,600	-	1,600

5 Conferences and seminars **(Continued)**

UAE web "New Eyes in the Deep"	-	-	-	1,112	-	1,112
UAE - Emergency Pipeline Repair Systems	-	-	-	2,352	851	1,501
UAE - Decommissioning Technologies	-	-	-	1,650	-	1,650
Road to COP28/Renewables (UAE)	2,112	297	1,815	-	-	-
UAE event - Why Subsea Industry Data Matters for COP28	1,088	85	1,002	-	-	-
UAE HVDC Systems	1,599	325	1,274	-	-	-
	12,018	4,976	7,042	12,607	4,913	7,694
	864,613	437,979	426,634	122,616	24,267	98,349

6 Income from investments

	Unrestricted funds 2024 £	Unrestricted funds 2023 £
Interest and dividends receivable	12,054	6,489

7 Other income

	Unrestricted funds 2024 £	Unrestricted funds 2023 £
Other income	683	163

8 Expenditure on charitable activities

	Other direct charitable expenditure 2024	Grants 2024	Total 2024	Other direct charitable expenditure 2023	Grants 2023	Total 2023
	£	£	£	£	£	£
Direct costs						
Staff costs	144,882	-	144,882	133,492	-	133,492
Depreciation and impairment	808	-	808	874	-	874
Publications, journals and newsletters	4,540	-	4,540	4,750	-	4,750
Training courses	44,176	-	44,176	15,246	-	15,246
Conferences and workshops	2,515	-	2,515	2,877	-	2,877
OSIG 2023 conference (5-yearly)	384,167	-	384,167	-	-	-
Other events	2,144	-	2,144	1,231	-	1,231
Branch activities	4,976	-	4,976	4,913	-	4,913
Computer maintenance	7,696	-	7,696	5,716	-	5,716
Insurance	1,417	-	1,417	1,541	-	1,541
Travel	8,656	-	8,656	8,001	-	8,001
Marketing and advertising	15,543	-	15,543	4,093	-	4,093
Postage	84	-	84	160	-	160
Staff recruitment and training	92	-	92	269	-	269
Stationery and office expenses	6,259	-	6,259	5,556	-	5,556
Subscriptions	225	-	225	205	-	205
Telephone	1,177	-	1,177	1,200	-	1,200
	629,357	-	629,357	190,124	-	190,124
Grant funding of activities (see note 9)	-	10,400	10,400	-	11,420	11,420
Share of support and governance costs (see note 10)						
Support	96,760	-	96,760	86,868	-	86,868
	726,117	10,400	736,517	276,992	11,420	288,412
Analysis by fund						
Unrestricted funds	726,117	10,400	736,517	276,992	8,618	285,610
Restricted funds	-	-	-	-	2,802	2,802
	726,117	10,400	736,517	276,992	11,420	288,412

9 Grants payable

	Grants 2024	Grants 2023
	£	£
Grants to individuals	10,400	11,420
Comprising of:		
Educational support fund	8,500	10,000
Other awards	1,900	1,420
	10,400	11,420

10 Support costs allocated to activities

		Other direct charitable expenditure 2024	Total 2023
		£	£
	Basis of allocation		
Staff costs	*Allocated on time*	62,093	57,211
Depreciation	*Allocated on time*	346	375
Bank charges	*Wholly attributable*	3,806	3,569
Computer maintenance	*Allocated on time*	3,299	2,450
Insurance	*Allocated on time*	608	661
Postage	*Usage allocation*	10	18
Software licences	*Wholly attributable*	2,476	2,776
Staff recruitment and training	*Allocated on time*	40	115
Stationery and office expenses	*Usage allocation*	1,565	1,389
Subscriptions	*Apportioned equally*	226	205
Telephone	*Usage allocation*	505	515
Marketing	*Apportioned equally*	5,032	4,094
Governance	*Wholly attributable*	16,754	13,490
		96,760	86,868

Governance costs comprise:	2024 £	2023 £
Audit fees	6,500	3,150
Accountancy	3,559	8,100
Legal and professional	6,695	-
Bad debts	-	2,240
	16,754	13,490

11 Net movement in funds

	2024	2023
	£	£
The net movement in funds is stated after charging/(crediting):		
Fees payable for the audit of the charity's financial statements	6,500	3,150
Depreciation of owned tangible fixed assets	1,154	1,249

12 Council Members

None of the Council Members (or any persons connected with them) received any remuneration or benefits from the charity during the year.

Council members were re-imbursed for expenditure relating to the activities of the society, totalling £3,428. The total balance owed to council members at the balance sheet date was £182.

13 Employees

The average monthly number of employees during the year was:

	2024	2023
	Number	Number
Direct charitable activities	2	2
Management and administration of the charity	2	2
Total	4	4

Employment costs	2024	2023
	£	£
Wages and salaries	185,441	167,110
Social security costs	16,571	18,580
Other pension costs	4,963	5,013
	206,975	190,703

The number of employees whose annual remuneration was more than £60,000 is as follows:

	2024	2023
	Number	Number
£80,001 -£90,000	-	1
£90,001 -£100,000	1	-

13 Employees (Continued)

Remuneration of key management personnel

The remuneration of key management personnel was as follows:

	2024	2023
	£	£
Aggregate compensation	90,296	81,097

14 Gains and losses on investments

	Unrestricted funds 2024	Unrestricted funds 2023
Gains/(losses) arising on:	£	£
Revaluation of investments	17,852	6,240

15 Taxation

The charity is exempt from taxation on its activities because all its income is applied for charitable purposes.

16 Tangible fixed assets

	Office furniture and equipment	Computers	Total
	£	£	£
Cost			
At 1 July 2023	4,477	46,098	50,575
Additions	-	1,922	1,922
At 30 June 2024	4,477	48,020	52,497
Depreciation and impairment			
At 1 July 2023	4,129	45,288	49,417
Depreciation charged in the year	67	1,087	1,154
At 30 June 2024	4,196	46,375	50,571
Carrying amount			
At 30 June 2024	281	1,645	1,926
At 30 June 2023	348	810	1,158

17 Fixed asset investments

	Listed investments	Charities Official Investment Fund	Total
	£	£	£
Cost or valuation			
At 1 July 2023	356	213,750	214,106
Valuation changes	139	17,713	17,852
At 30 June 2024	495	231,463	231,958
Carrying amount			
At 30 June 2024	495	231,463	231,958
At 30 June 2023	356	213,750	214,106

Fixed asset investments revalued

All investments have been revalued at the balance sheet date based on the market value at that date. The historical cost of the investments is: Listed investments £2,106 (2023: £2,106) and Charities Official Investment Fund £39,659 (2023: £39,659).

18 Stocks

	2024	2023
	£	£
Books for resale	18,532	9,779

19 Debtors

	2024	2023
Amounts falling due within one year:	£	£
Trade debtors	20,684	53,392
Amounts owed by fellow group undertakings	3,252	3,252
Prepayments and accrued income	934	160,697
	24,870	217,341

20 Creditors: amounts falling due within one year

	Notes	2024 £	2023 £
Other taxation and social security		9,516	23,329
Deferred income	21	31,697	391,550
Trade creditors		6,491	4,430
Other creditors		3,655	4,067
Accruals		11,249	9,077
		62,608	432,453

Income is deferred when it has been either invoiced or received in the current financial year, but relates to future periods.

21 Deferred income

	2024 £	2023 £
Other deferred income	31,697	391,550

Deferred income is included in the financial statements as follows:

	2024 £	2023 £
Deferred income is included within:		
Current liabilities	31,697	391,550
Movements in the year:		
Deferred income at 1 July 2023	391,550	4,507
Released from previous periods	(391,327)	(4,507)
Resources deferred in the year	31,474	391,550
Deferred income at 30 June 2024	31,697	391,550

22 Retirement benefit schemes

Defined contribution schemes	2024 £	2023 £
Charge to profit or loss in respect of defined contribution schemes	4,963	5,013

The charity operates a defined contribution pension scheme for all qualifying employees. The assets of the scheme are held separately from those of the charity in an independently administered fund.

23 Restricted funds

The restricted funds of the charity comprise the unexpended balances of donations and grants held on trust subject to specific conditions by donors as to how they may be used.

Previous year:	At 1 July 2022	Incoming resources	Resources expended	At 30 June 2023
	£	£	£	£
Educational Support Fund	-	2,802	(2,802)	-

The Education Support Fund was established to provide educational grants to students. The original restricted funds have all been expended. The Society continues to collect small amounts for the fund during the year at events and through the Just Giving platform. the amounts collected during the year are fully expended during the year.

24 Unrestricted funds

The unrestricted funds of the charity comprise the unexpended balances of donations and grants which are not subject to specific conditions by donors and grantors as to how they may be used. These include designated funds which have been set aside out of unrestricted funds by the trustees for specific purposes.

	At 1 July 2023	Incoming resources	Resources expended	Gains and losses	At 30 June 2024
	£	£	£	£	£
General funds	328,826	1,079,267	(736,517)	17,852	689,428

Previous year:	At 1 July 2022	Incoming resources	Resources expended	Gains and losses	At 30 June 2023
	£	£	£	£	£
General funds	292,789	315,407	(285,610)	6,240	328,826

25 Limited liability of members

In accordance with the Memorandum and Articles of Association, Fellows, Individual Members and Corporate Members (but not Associate Members and Student Members) are deemed to be Members of the Society within the context and as such have a limited liability of £5 per member in the event of the Society being wound up.

26 Related party transactions

Transactions with related parties

During the year the charity entered into the following transactions with related parties:

26 Related party transactions **(Continued)**

The total amount of income received without conditions from trustees during the year was £252 (2023: £1,286).

Transactions with trustees are disclosed in note 12.

Key management personnel remuneration is disclosed in note 13.

There are no other disclosable related party transactions during the year.

27 Cash generated from operations

	2024	2023
	£	£
Surplus for the year	360,602	36,037
Adjustments for:		
Investment income recognised in statement of financial activities	(12,054)	(6,489)
Fair value gains and losses on investments	(17,852)	(6,240)
Depreciation and impairment of tangible fixed assets	1,154	1,249
Movements in working capital:		
(Increase)/decrease in stocks	(8,753)	71
Decrease/(increase) in debtors	192,471	(166,005)
(Decrease)/increase in creditors	(9,992)	22,320
(Decrease)/increase in deferred income	(359,853)	387,043
Cash generated from operations	145,723	267,986

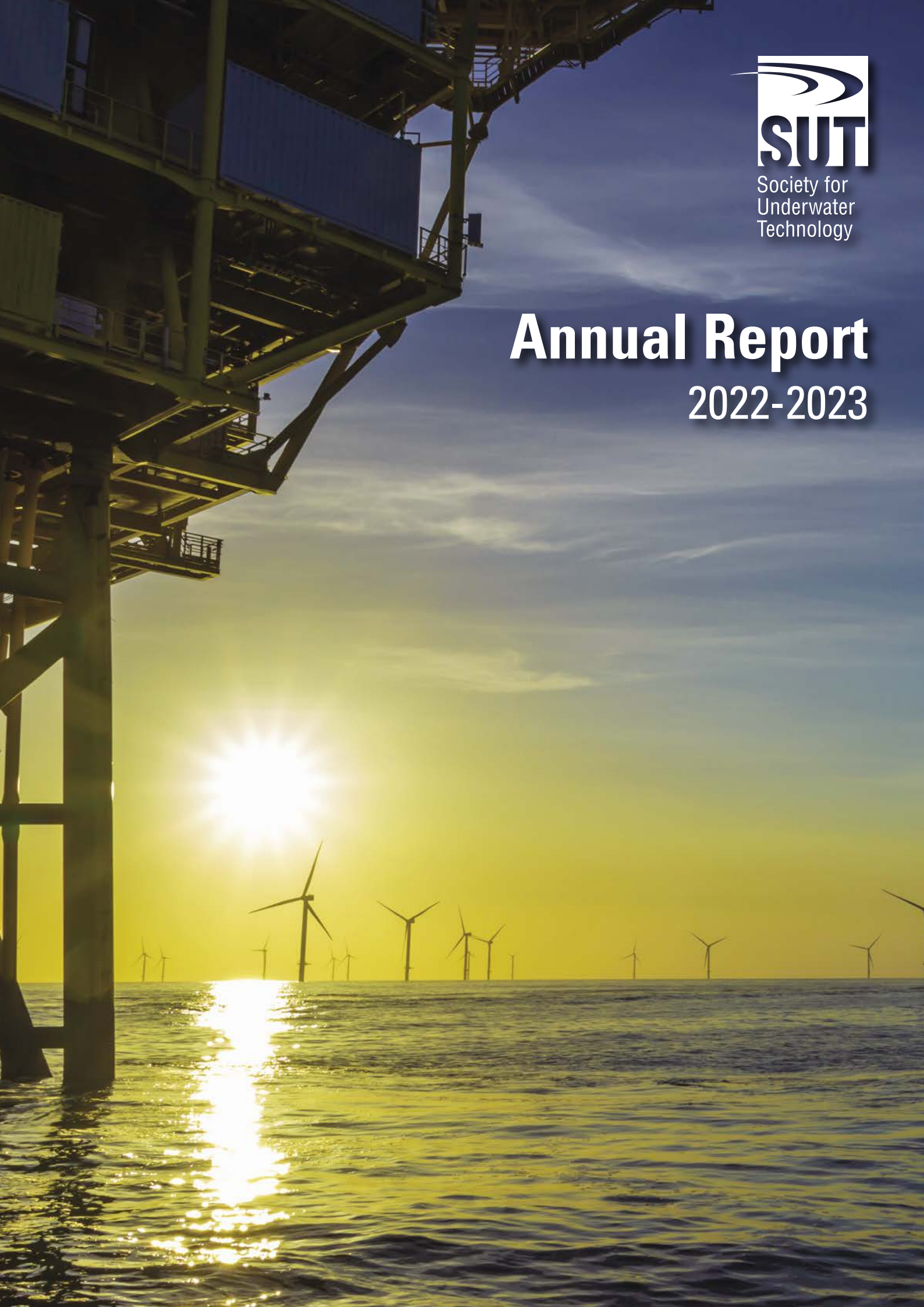
28 Analysis of changes in net funds

The charity had no material debt during the year.

THE SOCIETY FOR UNDERWATER TECHNOLOGY LIMITED

England & Wales - Charity number 256659

Accounts



SUT
Society for Underwater Technology

Annual Report
2022-2023

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President's Foreword



President:
Moya Crawford

The Society for Underwater Technology is at the epicentre of 'interesting times'.

The development of Offshore Wind Turbines has created opportunities, in terms of new blue business streams and challenges, in terms of engineering design, supply chain capacity and profitability, in equal amount. The Russian invasion of Ukraine and Europe's reliance on Russian gas, has re-set national government's appetite for home-produced oil and gas. Both, against the backdrop of record-setting temperatures, wild fires and flooding that maintain the imperative for improving energy efficiency, addressing ever-increasing CO2 emission, and the need to reverse negative ecosystem impact.

With its wide range of Specialist Interest Groups (SIGs) and branches across the world, the SUT has the opportunity to take a leadership role as a learned society, in providing an agnostic, multi-disciplinary platform for informed technical debate.

How it may best fulfil this potential is entirely up to its membership. In 2023 the SUT Council began paving the way for its next ten-year strategy. The views of individual and corporate members, alike, are essential in the determining the course that will be steered. Where should limited time and resources be best invested? Post COVID, and with the cost of travel soaring, should the focus be on the development of more regionally focussed meetings? With so many bases to cover, which SIGs should be working together more closely, or even, combined to share the load? Equally, externally, with which other organisations should we be seeking stronger collaborative relationships? These and many other pertinent questions need to be addressed.

For my part, I very much advocate promoting blue STEM in schools to attract the next generation of young engineers, scientists and practitioners; and in order to make it broader and more appealing, I would widen the scope to include the Arts & Humanities and maritime subjects, as well, in order to connect with young people across all swathes of society, foster understanding and nurture skills.

Hence, it is my pleasure to award the second and last of my two awards as President to Mr Ali Hynd, as Deputy Principal of Mintlaw Academy in Aberdeenshire, and the pupils he has inspired in the Mintlaw ROV, as an exemplar of what can be achieved on the educational front, through mentorship, at a local level. For me, their maturity and sense of purpose is an inspiration to seek out more like-minded teenagers across the globe and give all the support and encouragement we can. For theirs is the future.

Therefore, one of my inputs into SUT Strategy Review is reconsideration of how the SUT Educational Support Fund is positioned, in terms of encouraging donations, and whom its supports.

What is your input into the SUT Strategy Review?

Awards 2022-2023



Presentation of the President's Award at the AGM in December 2022
L-R **Donald Lamont**, Chairman of the Faulklands Maritime Heritage Trust, **Moya Crawford**, SUT President, **Mensun Bound**, Director of Exploration, Endurance22

New Fellow

Nick McNaughton



Mensun Bound gives a presentation at the AGM in December 2022 on 'The Ship Beneath the Ice: The Discovery of Shackleton's Endurance'



The Alan Greig Memorial Prize for Outstanding Contribution to Commcerial Oceanography

Presented to 2020 Winner **Roger Scrivens** by SUT President **Moya Crawford** in December 2022 at the London AGM



Dr Samantha Joye, Regents' Professor in the Department of Marine Sciences at the University of Georgia, USA



Rustom (Rusty) Jehangir, founder and CEO of Blue Robotics



The Lennard-Senior Prize is awarded to **Norma Hogan** at All-Energy 2023. *L-R* **Sue Barr, Cheryl Burgess, Norma Hogan, Judith Patten**

Lennard-Senior Prize

Awarded to Norma Hogan, Highlands and Islands Enterprise in recognition of outstanding individual achievement in the field of Marine Renewable Energy. Norma Hogan has supported the Wave and Tidal sector for 15 years. Never on the front line, in the headlines or appreciated. Until now. She is the person working behind the scenes to support decision making, grant funding requests and keeping policy direction on track to support a sector that she believes and knows will be transformational for the UK, Scotland and specifically the Highlands and Islands region.

President's Award

Awarded at the AGM to Mensun Bound, Director of Exploration, Endurance22, in recognition of his career achievements to and contributions in the field of marine archaeology, and also to the Falklands Maritime Heritage Trust (FMHT), in recognition of their dedication to preserving the rich and varied seafaring history of the Falklands and those who have been associated with them.

Captain Don Walsh Award for Ocean Exploration

Jointly awarded by SUT and MTS (the Marine Technology Society) to Dr Samantha Joye in honor of outstanding, sustained international contribution to the development, application, and propagation of marine technology toward the advancement of ocean exploration.

Dr Joye is a Regents' Professor in the Department of Marine Sciences at the University of Georgia, USA, whose work has revealed unexpected connectivity between elemental cycles, unanticipated feedbacks between geological elemental and microbial dynamics, and fundamental controls on microbial populations and their activity.

Gwyn Griffiths Underwater Robotics Award

Awarded to Rustom (Rusty) Jehangir, founder and CEO of Blue Robotics an ocean technology company based in Torrance, California. The award recognises people in the early to mid-stages of their career who have made outstanding contributions to their field in underwater robotics.

Under Rusty's vision and leadership, Blue Robotics has dramatically reduced the cost of ocean robotics, reshaped market expectations of ocean engineering components, enabled hundreds of new research efforts using turn-key affordable platforms, and empowered thousands of new learners to gain practical experience with ocean technology.

Council's Summary of Activity 2022-2023

In my report last year, I wrote about how the SUT was continuing to bounce back from the results of the pandemic and also adapt to the shift from hydrocarbons to renewable energies. Much happens in a year, but it is clear that we are not going to bounce back to how things were before the pandemic; too much has changed. It is also clear that the shift to renewables, and a low carbon future, will not be without its own challenges: reduced prices for wind power, increased cost of renewable projects, and technical hurdles.

The hydrocarbons industry has also proven itself to be more resilient than some thought and has seen increased levels of activity as energy security becomes as pressing in the immediate term as energy transition.

In what are unsettled times, there is an increased focus on the underwater environment whether for continued hydrocarbons extraction, further development of renewables technology or scientific research to better understand our impact on the oceans. This focus on the underwater environment needs to be supported by greater collaboration and sharing of knowledge between the different communities that are engaged in the subsea realm.

Membership Summary

Corporate Members 145

Individual Membership 1546

Category	2023	2022
Hon. Fellows	9	14
Fellows	90	101
Full members	576	622
Students	78	96
Corporate individuals	793	725
Total	1546	1558

Table 1

Strategic Review

The SUT council believes that there is a strong need for learned bodies, like the SUT, to support a wider understanding of the offshore and underwater environments. However, a need does not automatically translate into growth (or sustainability) of the SUT. For the Society to flourish, it needs to remain relevant to our existing members and at the same time reach out to new members which are engaged in areas of growth in the years ahead. These include offshore wind, offshore site investigations and geotechnics, unexploded ordnance, defence, salvage and decommissioning, marine acoustics, robotics and sensors, hydrocarbons as well as aquaculture.

The SUT council wants to seize the opportunities ahead of us and position the SUT for continued growth and relevance in the years ahead. The SUT has formed a Strategy Working Group (SWG), to be co-chaired by Ralph Rayner and Nick Swift, to conduct a strategic review of the SUT's activities.

The primary objective of the SWG will be to help guide the SUT's strategic response to the changes that are occurring across the ocean economy as it transitions in response to pressing environmental, societal and economic challenges, as well as in recognition of the impact of emerging technologies.

In addition, it will consider SUT's response to general changes in the role and mode of operation of learned societies and the way in which members might seek to interact in the future. The objective will be to determine a Strategic Framework and Strategic Plan covering the period 2024 - 2034 that will help to position the SUT for sustained success as a leading learned society serving its membership. the ocean community and the wider public, consistent with its charitable aims.

I know both Ralph and Nick are looking for the support and views of our members in conducting this important review for the society.

Financial Summary Unrestricted Fund (£)

Category	2023	2022
Income	318,209	275,416
Expenditure	288,416	270,940
Surplus/ (deficit)	29,793	4,476
Transfers to restricted fund	-	-
Gain/(loss) on investments	6,240	(11,501)
Retained surplus/ (deficit)	36,033	(7,025)

Table 2

Membership

As a Society, we have been successful in attracting new members, but we also need to retain our existing members. We attract members by the activities, events and training courses we hold and then retain by getting them to actively participate and contribute to what we do.

Council's Summary of Activity

contd.

Individual membership of the SUT has experienced a 10% drop over the last year. Corporate membership is steadier but with some flux in members depending on when they renew their membership.

Last year, we noted that the SUT membership numbers reflect the experience of other Learned Societies as well as Institutions and Associations around the globe with changes to industry sectors, mergers, acquisitions, growth as well as contraction.

Our recently formed special interest groups on Marine Environmental Science and Unexploded Ordnance continue to establish their presence and have developed new members from these sectors including new members from the offshore windfarm operators and representation from SMEs and academia.

The Council of the SUT thank everyone who has renewed their membership, the new members, and the efforts of all who have worked so hard to keep SUT going this last year.

Training

The Society has continued to adapt to the changed working environment with membership outreach and engagement throughout the year. Both the Subsea Awareness Course (SAC) and Offshore Wind Course (OWC) have been successfully run as online events this last year.

Excitingly, this year has seen the return of our in-person training courses with multiple Subsea Awareness Courses being held in Aberdeen as well as introductory courses to Offshore Geophysics & Geotechnical Engineering in various locations. The strong response to these courses identifies both an ongoing need but also an appreciation of the added benefits of in person courses. Going forward there is space for both virtual and in-person training courses to suit audience location and their availability.

Whilst the number of online webinars has prolifarated, the Aberdeen SUT+ committee has developed their own distincitve offering and regularly attract significant attendee numbers.

Awards

The Gwyn Griffiths Award for Underwater Robotic, launched with a donation from Past-President Professor Gwyn Griffiths for a new award for technologists in the field of Marine Robotics received numerous high-quality entries in 2022. From an impressive field of nominations, the second winner of the GGUR Award was Rustom Jehangir, of Blue Robotics.

The SUT is also pleased to announce the new Mick Cook Marine Site Investigation Award; this award is open all working in the field of marine site investigations and characterisations globally, regardless of where they are in their career. The award recognises industry professionals who have made a significant contribution to Marine Site Investigation and Characterisation, covering the broad disciplines of Geophysics and Geotechnics.

Finances

A summary of the Society's accounts and financial statements for 2022-2023 has been published with the Annual Report. SUT Honorary Treasurer, Nigel Carey, will present The Report and Financial Statements at the Society's AGM.

The Unrestricted Fund at 30 June 2023 amounted to £328,826 compared with an amount of £292,789 at the end of the previous year, including donations and legacies, allowing for gains on investments.

Educational Support Fund

A report for the year ending 30 June 2023 from the Educational Support Fund Management is included in this Annual Report. The financial statement regarding the Educational Support Fund appears within the Financial Review.

I. Knight, Honorary Secretary 6th October 2023

Registered Office: c/o Nunn Hayward, 2-4 Packhorse Road, Gerrards Cross, Buckinghamshire, SL9 7QE, UK

Chair's Report



SUT Chair of Council, Sue John

Since my last annual report, the staff and volunteers of the Society for Underwater Technology have excelled themselves in organising and producing the range of activities that have taken place over the reporting period. The Society has provided 45 events in the UK both in person and online, with a similar number of events having taken place in SUT locations internationally. Naturally, that number of events also highlights the amount of hard work and commitment that it takes to produce this programme. The range of events available to members to engage and participate with the SUT and wider underwater, subsea, and marine communities demonstrates the diverse interests of the SUT and its members globally.

Regional activities, Committees and Specialist Interest Groups grow and contract over time. I am pleased to report that we are seeing and experiencing increased membership participation. We continue to encourage members to get involved, both individually and corporately, with the committees for the Society to develop, direct and deliver the SUT's programmes for the future.

Membership and strength and depth of committee members are the lifeblood of the SUT which sustains the Society. Individual membership has reduced with members retiring, leaving industry and changing roles. Corporate membership has remained consistent. The Society would like to see growth in all categories of membership.

Finance and Accounts

The budget approved by Council for 2022-2023 was a balanced budget with achievement on surpluses from training and events regarded as cautious and deliverable. Members will find full details in the Financial Statements subsequent to this report.

The success and popularity of SUT's training courses are reflected in the Society's surplus. Our thanks go to all of those who have contributed their time and expertise to present, those companies who have hosted site visits, and members of the training committees: Aberdeen-based Subsea Awareness Course, OSIG's Introduction to Offshore Geophysics & Geotechnical Engineering Course on Offshore Wind Renewable Energy, the Offshore Wind SAC and other SUT training courses whether in person or online.

The Society's Annual Report contains reports contributions from all Special Interest Groups, Committees as well as International activity. Members are encouraged to read and review the Annual Report.

Over the last year, the SUT centre has had a presence at MASTS Glasgow; Subsea Expo, Aberdeen; All-Energy, Glasgow; the MCEDD – Deepwater Development London; Ocean Business, Southampton; Combined Naval Event, Farnborough; and PRIMaRE, Falmouth and Bath, as well as supported the Middle East Branch at ADIPEC

Branches

The activities during 2022-2023 in Aberdeen, Brazil, Canada, China, London & South of England, Malaysia, Middle East, North of England, Norway, Perth, Singapore, SUT-US (Houston) have all contributed to the success of the SUT and its regional centres for members and their interests in underwater, marine and subsea science, engineering and technology.

Chair's Report

contd.

For global corporate members SUT's international network helps connect members to one another on a local basis as well as within their corporate network.

Training courses have included the SUT's Subsea Awareness Course in Aberdeen, Houston, Norway and Perth, OSIG's Introduction to Offshore Geophysics & Geotechnical Engineering two-day course which took place in Southampton, and a Virtual Course on Offshore Wind Renewable Energy.

The newest branch of the Society has established itself in the Eastern Mediterranean and has secured its future by hosting the Subsea Technology Eastern Med Conference in conjunction with Lavar and Endevour publications in May 2023. The team of John Charalambides, Lakis Andronicou & Mike Eftthymiou along with Nicolas Droushiotis delivered a very successful Introduction to Subsea Technology pre-conference training day to a packed audience of international delegates. Due to 'customer demand' and continued interest there will be a rerun in line with the STEM conference in April 2024 in Cyprus. The Branch is looking to draw members for the committee from across the East Mediterranean region including Cyprus, Greece, Italy, Egypt, Turkey, and Eastern Europe. I encourage corporate members with offices in the region to get involved.

I am delighted to report that Branch strength continues to recover from lingering affects of the Covid pandemic such as in Kuala Lumpur Where regular meetings are again being organised.

Special Interest Groups

The full list of the Society's Special Interest Groups (SIG) is found on the SUT website. I encourage all members to participate where possible and familiarise themselves with the activities of the SIGs as they discuss challenges, solutions, innovation and projects; and have presentations which members will find of interest.

Educational Support Fund

The Education Support Fund (ESF) 2022 judging panel, comprising myself, Bob MacDonald, Shruthi Sivadasan (SUT+ Chair), and Cheryl Burgess (SUT CEO), was hard pressed in deciding who should have funding to support their studies.

Ultimately, funding was awarded to two Masters students: Francesca Felhberg at Bangor University and Chung-Wei (Ryan) Lin at Imperial College who both submitted outstanding applications. The quality of the applicants was so high and the scoring so close it was decided to award all applicants a year's free student membership.

I am pleased to inform the membership that during my time as Chair of the ESF, applications reflect diversity in both the students and the subjects of study the students are undertaking which manifest and relate to the interests of the SUT sectors and interest groups.

Awards

The SUT continues to recognise achievement and contribution from within membership and industry:

The Gwyn Griffiths award went to Rustom Jehangir of Blue Robotics, who I had the pleasure to meet at Ocean Business 2023.

The President's Award was made to Mensun Bound in recognition of his career achievements to, and contributions in, the field of marine archaeology; and the Falkland Maritime Heritage Trust in recognition of their dedication to preserving the rich and varied seafaring history of the Falklands and those who have been associated with them.

Norma Hogan was the recipient of the Lennard-Senior Memorial Prize. The prize is awarded in recognition of outstanding individual achievement in the field of Marine Renewable Energy. Norma works for Highlands and Islands Enterprise and has supported the Wave and Tidal sector for 15 years, working behind the scenes to support a sector that will be transformational for the UK.

The Captain Don Walsh Award for Ocean Exploration, presented jointly with MTS, was awarded to Dr Samantha Joye.

A new award, the Mick Cook Award for Significant Contribution to Marine Site Investigation and Characterisation

Chair's Report

contd.

was announced in May 2023; with the first award to be made in September 2023. This award will be made annually and carry prize money, certificate and an award. Our thanks to Mick for establishing this award.

The Society has pivoted in how we share knowledge with members and the knowledge members have with the widest communities including schools. We continue to also grow with SUT+'s webinar series along with their social and networking events. Content on SUT's YouTube Channel continues to grow in addition to our ever-popular podcast series. Future plans and developments include increasing events and training courses for membership engagement and outreach to our wider sector interests. The Society has to look to the future. The Council decided to examine its future, so now there is strategic working group, co-chaired by Ralph Rayner and Nick Swift, which is examining how we can ensure that the Society is well placed for the future.

Sometimes people forget that without volunteers there is no Society. So thank you, every one of you, who give your time and your expertise to make the SUT such a successful learned society. I include all those on committees, my fellow directors/trustees who constitute the SUT Council and who also volunteer. Finally, a thank you to the SUT's hardworking and dedicated staff: Cheryl Burgess, CEO, Jane Hinton, Membership and Finance Officer, Jacqui Adams, Events and Training Manager, and Emily Boddy, Communications and Publications Officer. I thank you all.

Thank you and let's look to the future.

Officers and Council 2022-2023

President
Moya Crawford

Chair
Sue John

Immediate Past President
Judith Patten

Honorary Secretary
Iain Knight

Honorary Treasurer
Nigel Carey

Secretary to Council/CEO
Cheryl Burgess

Members

Dr A M Atmanand

A Connelly

F Lim
(until December 2022)

R Luff

Dr J Morgan

Prof R F Rayner

D M Saul

T Sloane
(from December 2022)

M Stemp
(from December 2022)

N J Swift

M Theobald
(from December 2022)

S Elkhatib
(until June 2023)

T Griffiths
(until December 2022)

R MacDonald
(until December 2022)

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Events & Marketing Coordinator
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Events & Marketing Coordinator
Jade Melville

Marketing & Events Assistant
Suzanne Thien

Branch reports



Aberdeen Branch

www.sut.org/branch/aberdeen



Andrew Connelly

Committee
Chair Andrew Connelly
Vice-Chair Paul Slorach
Treasurer
Calum Hayton
Training
Graham Whitehead
Branch Events
Keith Anderson
Projects
Euan Fowler
Industry Liaison
Shruthi Sivadasan

Daniele Petrone
David Warren
Martin Harley
Douglas Coombe
Patrick Duggan
Sylvain Denniel
Alan Anderson
Andrew MacNamara
Campbell Elder
Catherine Ioannou
Chris Wallace
Dr Ibiye Iyalla
Dr Srinivas Sriramula
Martin Brown
Paul Benstead
Ross Ingram
Jacqui Adams

We come to the end of a year of quite a few changes, but ending on a high. Firstly we give sincere thanks to Martin Harley, who stands down as Aberdeen branch chair after four years in position, and two years prior to this as vice-chair. Martin has been an excellent leader through times of downturns and lockdowns. Martin remains a member of Aberdeen Branch Committee and will continue to have key involvement in many branch initiatives.

Secondly we also give thanks to Peter Blake who acted as a caretaker chair and led an initiative to streamline the Aberdeen Branch Committee. Peter has now retired from the committee and from industry, so we bid farewell and best wishes for Peter's various retirement plans.

Standing down are Patrick Duggan from vice-chair and Jamie Wilson from Branch Honorary Treasurer. Both have given excellent service to the branch in their respective roles and their input will be missed.

The strength of the branch is very much dependent on the input of the volunteer committee members, who give up personal time and day-job time to ensure that the various branch initiatives are delivered to the benefit of the Society, and both its existing and future members.

I'd like to give personal thanks to Jacqui Adams, SUT Events Manager who continues to go above the call of duty to ensure that events are run professionally and efficiently.

Finally, after a 37 year continuous service in the Aberdeen Branch Committee, Jim Mann retires and stands down from the committee. Jim has been involved in numerous initiatives over this time, including periods on SUT Council, and was a figurehead for the regular 'Gadgets and Widgets' events held by the branch. Many thanks to Jim for the support over the years we hope he will stay in touch.

Branch Committee Changes

With a change of chair, vice-chair and treasurer office bearers it was a good opportunity to review the make-up of the committee and to consider specific interest groups. As a result, we have appointed the following roles:

- Training: Graham Whitehead of GUH
- Branch events: Keith Anderson of Wood
- Projects: Euan Fowler of Xodus
- Industry Liaison: Shruthi Sivadasan of Wood

These individuals are leading sub-groups who are able to focus on delivering specific types of initiatives. This format is still in its infancy but appears to be working well as we return to in-person activities.

I (Andrew Connelly of Imenco) have stepped in as branch chair, supported by Paul Slorach of Verlume as vice-chair and Calum Hayton of BP as Honorary Treasurer.

With an aim of replacing some departed committee members and widening the range of experience, we welcome some new members to the committee:

- Alan Anderson of Oceaneering
- Douglas Coombe of Wood
- Ross Ingram of Ashtead Technology
- Catherine Ioannou of 2H
- Chris Wallace of MacArtney

Aberdeen Branch

contd.

2022-2023 Branch Activities



The branch set a goal at the start of this session to promote a return to in-person events, with the goal of providing the excellent networking opportunities that SUT evening meetings have always provided. This has not been without challenges following a long period of remote events, such as webinars, being the norm, however we are pleased with the uptake of attendance and engagement at events during the past year.

In this past year we have been able to provide multiple in-person meetings including the ever popular Gadgets and Widgets, a business breakfast, an offshore wind event in conjunction with the Aberdeen Association of Civil Engineers, to name a few. Event themes and topics discussed have featured an increasing theme of energy transition.

We have provided a series of Subsea Awareness Courses, all with excellent delegate feedback indicating appreciation of the content, industry experts delivering material, and site visits giving unparalleled insight into these aspects of industry.

Our annual jointly hosted event in collaboration with The Hydrographic Society and the International Marine Contractors Association took place in November 2022. This featured with a strong energy transition theme supporting the crossover of subsea technologies from traditional energy to new energies, which are continuing to become more established. The planning for the 2023 event is ongoing.

The SUT+ continue to provide an incredible programme of webinars, site visits and career development support for the next generation of engineers.

Keep an eye on ***sut.org/branch/aberdeen/*** for updates, or get in touch at ***aberdeen@sut.org***.



Australia Perth Branch

www.sut.org/branch/perth

With COVID-19 no longer a major issue this financial year, the SUT Committee has been able to deliver its programs and core services for the duration of this year. The financial statements for SUT Perth Branch for the year ending 30 June 2023 positively reflect this.

Perth Branch Committee

SUT Perth Committee members continue to provide enthusiastic, imaginative, and creative support to the branch bringing in a fresh outlook with great ideas. We would like to thank all committee members for their efforts in enabling us to reach our goals. We are indebted to the 2022 and 2023 committee groups:



A modest rotation of committee members brings in fresh ideas and enthusiasm which are essential to maintaining a vibrant Society; however, it also allows us to retain a core of experience to ensure continuity of our overall vision.

Current Perth Branch Sub-Committees:

(bold indicating sub-committee lead)

- Advertising: Bettina Silvert, **Michael Cocjin**
- AMT Conference 2023: **Mark Roberts**; Steve Duffield; Mark Casey; Nina Levy; Jeremy Cohen; Ian Hobbs; Henry Johnson; Peter Baker
- AOG 2023: **Julie Morgan**; Hema Wahdwa; Brett Phillips
- Annual Dinner: Shane Kirkbride, **Leanne Geneve**, Mark Casey; Phillip Manfield
- Branch Support: Shane Kirkbride, **Paul Upjohn**
- Course Review: Liam Salter, Brett Phillips; Paul Georgeson; Anurag Saxena; **Leanne Geneve**; Michael Cocjin
- Decom / Salvage: **Christian Marocchi**, Brett Phillips; Leanne Geneve; Paul Georgeson
- Energy Transition: **Iain Wylie**; Bukkie Orugun; Phillip Manfield; Matt Allen
- Engagement: Leanne Geneve, **Matt Allen**, Brett Phillips; Anurag Saxena, Michael Cocjin
- Evening Technical Meeting/AGM: Paul Upjohn; Bukkie Orugun, Paul Georgeson, Anand Jyothi; **Matt Allen**; Iain Wylie



Steve Duffield

Committee

Chair Steve Duffield
Vice Chair
Bukkie Orugun
Treasurer Leanne Geneve
Secretary Anand Jyothi

Fiona Allan
Matthew Allen
Michael Cocjin
Mark Casey
Steve Duffield
Leanne Geneve
Jagjeet Ghillen
Stuart Higgins
Farjana Jahan
Anand Jyothi
Philip Manfield
Christian Marocchi
Mark Musarra
Bukkie Orugun
Brett Phillips
Anurag Saxena
Paul Upjohn

Australia Branch

contd.

- Finance: Fiona Allan; **Brett Phillips**; Leanne Geneve, Steve Duffield, Bukkie Orugun
- Golf Day: **Steve Duffield**, Shane Kirkbride, Trent Broadway
- HSE: **Liam Salter**; Bukkie Orugun
- Immerse 2025: Paul Upjohn, **Steve Duffield**; Brett Phillips
- Membership: Steve Duffield, **Bettina Silvert**; Iain Wylie
- Mentoring: Michael Cocjin; Leanne Geneve; **Mark Casey**
- Scholarships: **Farjana Jahan**; Liam Salter; Nick McNaughton, Julie Morgan; Phillip Manfield; Iain Wylie; Paula Cartwright; Raphael Alwan
- Subsea Controls Down Under 2022 Conference: Mark Casey, **Paul Upjohn**, Harry Mackay, Harvey Smith, Norman O'Rourke, Julien Levadoux, Ross Hendricks, Minh Vo, Ned Chapman, Derek Thompson
- Subsea Engineering Competency Framework: Mark Casey, Afton Galbraith, Terry Griffiths, **Rex Hubbard**, Chris Merrick, Gabriel Pennock, Ewan Rowell, Chris Saunders, Norman O'Rourke, Ian Wilson; Senthen Mani; Trent Broadway
- SUT International Committee: **Steve Duffield**; Anand Jyothi
- Curtin Uni Industry Advisory Committee – **Christian Marocchi**
- WA Societies: **Bukkie Orugun**
- SUT Council Steve Duffield; Julie Morgan

SUT Perth Branch Events

The Perth committee and staff were quite busy during the year. In Western Australia access to face-to-face opportunities came much earlier than elsewhere, and we were able to take advantage.

The following events were held during the year:

- 5 x Evening Technical Meetings
- 3 x Courses (in person)
- 4 x YES! events
- 4 x OSIGp events
- 1 x AGM
- 2 x Social events (Annual Dinner & Golf Day)



Of special note were the activities of the Special Interest Groups, YES! and OSIG who were able to keep a full annual agenda.

Staff were magnificent in ensuring our events complied with the many government requirements that changed regularly.

Our 2022 Annual Dinner was held at the prestigious Optus Stadium with 235 people attending.

Wood and Subsea Engineering Associates were the event sponsors, and we thank them for their continued support throughout a challenging year.



Conferences

With COVID travel restrictions etc. behind us we were able to successfully hold the Subsea Controls Down Under Conference in October 2022

The AOG (Australian Oil & Gas) Conference and Exhibition was also held in March 2023.

Australia Branch

contd.

Courses:

The following training courses were run in person in the 2022/23 year:

1 x Subsea Awareness Course – May 2023

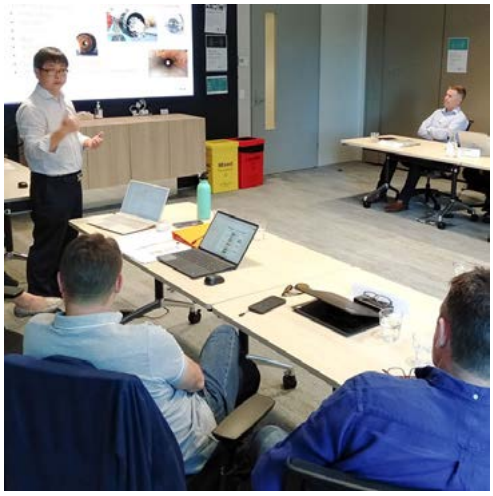






1 x Subsea Productions Systems Course – June 2023





Australia Branch

contd.

1 x Positioning and Survey Course – August 2022





Evening Technical Meetings
The following technical meetings were held:

August 2022 ETM: Collaborative Technology Deployment - Julimar
Speakers: Ben Witton, Michael Salsano; Phil Watson, Scott Draper
Sponsored by MMA Offshore and Subsea 7

October 2022 ETM: Underwater Autonomous Technologies and their application in Defence
Speakers: Mitchell Hinchcliffe, Mark Roberts, Sandro Ghiotto
Sponsored by: Bluezone Group and Defence West

February 2023 ETM: Decommissioning
Speakers: Ian Wylie, Grant Brunsdon, Tim Grose & James Florisson
Sponsored by: Oceaneering

April 2023 ETM: Our floating future in Offshore Renewables
Speakers: Andy Evans; Sean Van Steel; Damon Sunderland
Sponsored by Arup; DOF Subsea

June 2023 ETM: Decarbonisation
Speakers: Diane Labregere, Emilien Rulence, Ben Jury
Sponsored by Atteris and Woodside

The SUT Perth Committee is, as always, grateful to all presenters and ETM chairpersons for their generous time and efforts in making our Evening Technical Meetings such a success, and for those generous corporate members who support the evenings with their sponsorship. We have had great attendee numbers returning to the ETMs this financial year (up 60% on the previous financial year)

Australia Branch

contd.











Australia Branch

contd.

Golf Day – September 2022

For our annual golf day, the SUT once again teamed up with the Society for Petroleum Engineers for a collaborative golf day. After the success of last year's event we remained at Maylands Peninsula Golf Course and a fantastic day of golfing and networking was had by all that attended.

We had 108 for the event and 27 teams battled it out on the course, followed by a putting competition, before enjoying post-game food and drinks whilst the prizes were awarded. A great day was had by all.

We are very grateful for the sponsors who made this possible - Subsea Engineering Associates; Sonomatic and a60n.









SUT Perth Sub-Committee Updates

Branch Administration

The 2022/2023 year welcomed Renae Drew back from Maternity leave in Jan 2023 with both herself and Jade Melville continuing as Events & Marketing Coordinators. Suzanne Thien focuses now on SUT Marketing as the Marketing Assistant and has done a great job updating our monthly e-newsletters.

These three event staff along with Fiona Allan continue to effectively manage the branch administration, take great pleasure in coordinating and organising all of our events, initiatives, administration, membership and

Australia Branch

contd.

accounts for the Perth branch of the Society from our West Perth location.

Branch Support

SUT Perth put together a sub-committee a few years back for committee members to assist other branches where they can. With overseas travel now possible the Branch Support lead has held meetings with Malaysian SUT members.

Branch Initiatives

During the year, Perth branch continued / started with the following initiatives:

- Subsea Engineering Competency Framework continued
- 3 more Scholarships offered in 2023
- Proud new sponsorship of Offshore for Kids initiative
- All Courses and Events were able to offered Face to Face
- Review of current Courses offered and start of planning for a new Course
- New Sub-Committee commenced - Marine Energy Transition and Renewables

Branch Strategy

The committee regularly review the current Strategic Plan (2021-2025) with the Strategic objectives being:

1. Engage with Tertiary Institutions
2. Diversification of Membership
3. Be more Active in Knowledge Transfer
4. Value for Membership Money

Engagement

The strategy concentrates on continued engagement with our existing members to ensure we remain relevant whilst having a stretch target to engage 2-3 more organisations.

The focus points include:

- Canvass existing legacy members to understand how we can grow and how they can contribute.
- Increased Operator attendance at ETMs
- Provide training to companies who are employing graduates / less experienced personnel
- Stretch to grow our regular sponsorship base and increased membership numbers
- Continued Growth in diversification of SUT Perth branch.
- Continued Synergies with ETM, Engagement and Membership Sub-committees
- Engagement with retired members/members looking for work (how can they contribute / benefit from)

Finance

SUT Perth Branch was back to a surplus in the 2022-2023 financial year of approximately $AUD 10,000 after a prior year deficit of ($AUD 47,000)

This was mainly due to:

- Being able to hold the SCDU Conference and AOG in the 2022/2023 financial year
- Increasing Sponsorship revenue and Ticket sales pricing
- Social Events being better attended
- ETMs and SIGs (YES! and OSIGp) being well attended

An audited Income and Expenditure Statement for the year will be forwarded to Council following the finalization of the audit in October 2023.

Australia Branch

contd.

Marketing

Our digital marketing strategy, implemented over the last 18 months (since 1 March 2022), has brought about significant improvements in the professional appearance and tone of SUT-Perth's online presence.

We've witnessed a remarkable transformation in our social media posts, email campaigns, and marketing collateral. This strategy has enabled us to present a more polished and cohesive image to our audience.

Our social media posts now radiate professionalism with consistent branding, engaging content, and a clear, unified message.

Our email campaigns have become more refined, conveying information effectively while maintaining an appealing visual layout.

Additionally, our marketing flyers and PowerPoint presentations have undergone a makeover, boasting eye-catching designs and clear, concise messaging.

Membership (Perth and Melbourne) as at 30 June 2023:

We finished the year slightly worse than we started.

Free hardship membership was offered (had to meet certain criteria) but few took this up.

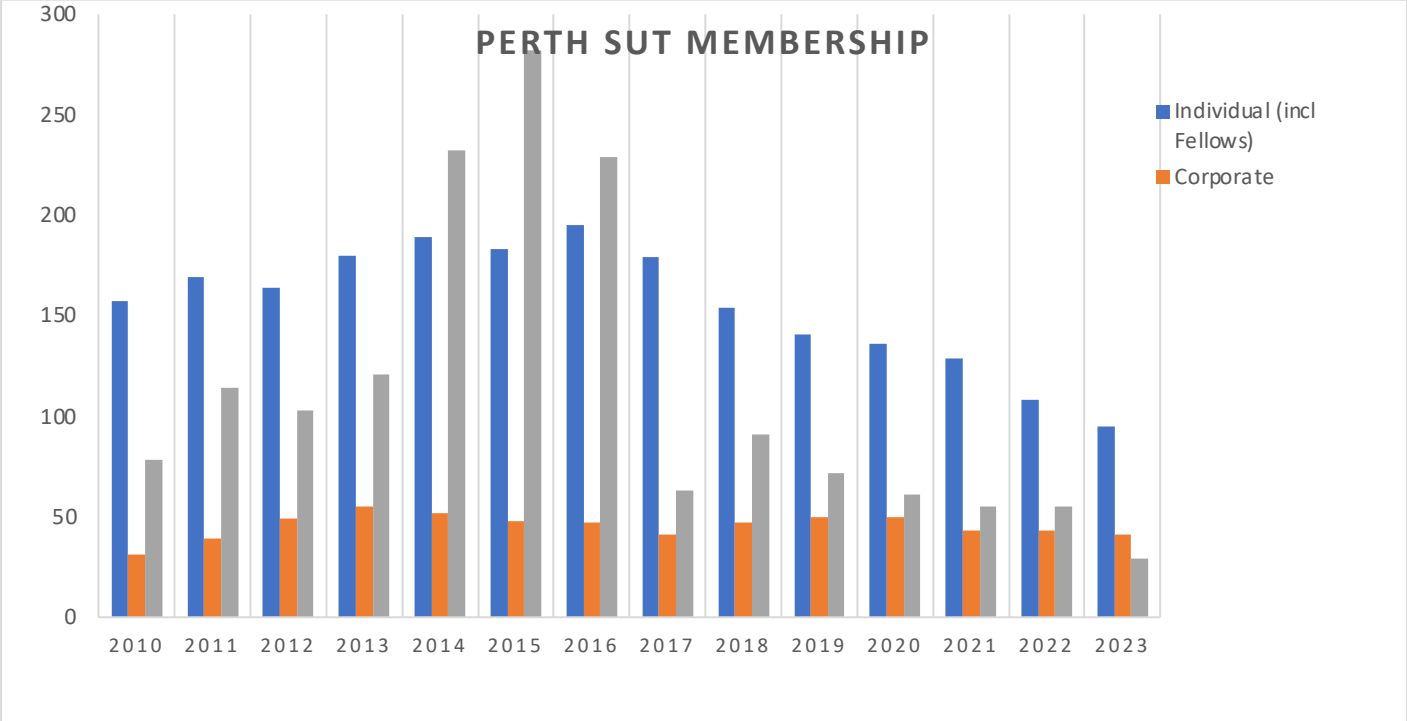
Perth Branch Membership	**June 2023**	**June 2022**
Individuals	84	96
Fellows	12	12
Corporate -Local and Global w rep here	41	43
Students (fee paying)	29	55

Remote Members:

- Malaysia, New Zealand; New South Wales; Victoria, South Australia and Queensland

Membership has fallen over time. The substantial change in student membership was as a result of the introduction of fees in the 2015 / 2016 period. For 2023/2024 we are now offering free Student Membership to hopefully reverse this.

All new Individual and Corporate members are approved by a Membership Sub-Committee.



Australia Branch

contd.

Mentoring Programme (SUT-SPE-SEA-PESA-PCWA-ASEG-WISE)

SUT ran the Mentoring programme for the 2020/2021 financial year. It was then run by PESA and is currently being run by the Energy Club WA.

(The mentoring program is run in conjunction with other similar societies in Perth on a rotating basis.)

OSIG Perth Overview and Events

OSIGp stands for "Offshore Site Investigation and Geotechnics Perth", which is a special interest group of the SUT with interests covering the area of the so-called 4G's: Geology, Geophysics, Geomatics and Geotechnical Engineering.

Established in 2012, the OSIGp Committee currently comprises 14 members from various backgrounds (primarily operators, consultants and academics).

As part of its remit, the committee actively pursues and organises technical and also non-technical activities that are of interest to its network with the committee's events in 2022-2023 including:

- OSIGp Selections of ISFOG Sep 22
- OSIGp Decomm Oct 22
- OSIGp Prize Night Nov 22
- OSIGp Recent Advances Jun 22

The Committee is also actively collaborating with other OSIG groups based in the UK and Houston, for example in establishing technical guidance notes on various 4G-related topics.

Thanks goes to all the 2022/2023 OSIGp committee members for their time, enthusiasm and hard work.



Scholarship Awards

SUT Perth branch has continued with our policy of supporting students studying relevant courses in Australia and displaying a strong interest in continuing into a career or further studies in underwater disciplines.

We have now awarded 74 scholarships since 2007.

Australia Branch

contd.

This year we awarded three scholarships and are pleased at the continued and positive uptake of scholarships by the student fraternity. Scholarship recipients were:

- Chris Lawlor Scholarship to the Most Outstanding Candidate: **Gabrielle Cummins**
- Marine Renewable Energy Scholarship sponsored by Aurora Offshore Engineering: **Christine Lynggard Hansen**
- Digital Automation in Engineering Scholarship sponsored by SEA: **Samantha Hoekstra**



Subsea Engineering Competency Framework Project

The initiative by SUT (Perth Branch) in conjunction with industry is for Subsea Engineering to be recognised as an Area of Practice (AoP) by Engineers Australia (EA)

SUT provides the basis for technical assessment in the AoP of Subsea Engineering and supports EA with the technical assessment of submissions for recognition in the AoP of Subsea Engineering

The benefits are a career planning tool and personal recognition as a competent subsea engineer, which is recognised in Australia and Internationally.

The launch for this programme was held in June 2021. For 22/23, one engineer was accredited under this programme.

YES! (Young Engineers & Scientists)

YES! was formed in 2013 to build a community of young subsea professionals, promoting collaboration and networking to ultimately drive the future of the subsea industry.

The Purpose of SUT YES! Is to:

- Promote awareness of subsea industries and link in with universities
- Provide and support professional development of young professionals, students and scientists in subsea industries
- Provide opportunities for networking and informal mentoring for young professionals, students and scientists in subsea and related fields

During the year the subcommittee successfully held the following events:

- YES! ETM July 22
- YES! Uni Career Panel Sept 22
- YES! Lawn Bowls Feb 23
- YES! Quiz Night May 23

In addition to events, YES! Committee members have promoted SUT membership and events at universities, supported SUT Mentoring and have a large involvement in the SUT Scholarship program.

YES! currently has two annual sponsors, Woodside and Santos. Many thanks to these generous sponsors.

The YES! sub-committee members' effort and time has been immense throughout the past year and we thank them for that. The current YES! committee members are:

Australia Branch

contd.



The Year Ahead

The Perth branch of SUT will continue with their five-year Strategy plan 2021-2025:

1. Engage with Tertiary Institutions
2. Diversification of Membership
3. Be more Active in Knowledge Transfer
4. Value for Membership Money

All of the above new activities will support the growth of the Society. In the background our committee members will continue to develop existing and new content, leads and opportunities for collaboration with other Societies and engagement with other industries with an interest in underwater technology.

The budget for 2023/2024 has been approved by the Finance Committee with a surplus expected. We are looking to run a full calendar of events for 2023/2024.

Sincere thanks are given to the Members, Sponsors, Presenters, Office Bearers, Committee, Sub-Committees and SUT Staff during the year. It has been a pleasure to be the Perth Chair for the last three years and I wish the new Chair and the 2024 SUT Committee all the best.

Brazil Branch

www.sut.org/branch/brazil



Prof. Segen F. Estefen

Committee
Chair Prof SF Estefen
Secretary Prof M Vaz
Treasurer T Netto
Executive Manager
VC Santos

C Bonfim Silva
P Couto
E Labanca
E Nakagawa
C Paulo
M Teixeira

In the period July 2022 to June 2023, the activities of the SUT Brazil Branch have been based on seminars and a panel on oil&gas offshore activities, and a workshop on offshore renewable energy, as described below.

Seminar on SUBSEA ENGINEERING: Integrity of subsea production systems

5 October 2022, Dr. ELTON J.B. RIBEIRO - COPPE/UFRJ
Online - Attendees: 108

INTEGRA PRH-RJ 2022

7-9 November 2022, In-person - Attendees: 400.

The event was organized by human resources programs (PRH) of the National Petroleum, Natural Gas and Biofuels Agency (ANP), located in the state of Rio de Janeiro. The event aimed to publicize the scientific production of research being carried out within the scope of the PRHs of the Federal University of Rio de Janeiro, State University of Rio de Janeiro, Federal Fluminense University and Pontifical Catholic University of Rio de Janeiro, allowing the exchange of knowledge between the academic community and companies operating in the oil, natural gas, biofuels, and renewable energy industries. The event was divided into various sessions as follows:

Opening: Energy Transition in the Oil and Gas Sector.
7 November 2022
Prof. Alfredo Renault - ANP
In-person - Attendees: 400

Panel: Importance of Human Resources Training and Research & Development for the Oil, Natural Gas and Biofuels Industry.
7 November 2022
Maria Inês Souza - ANP, Karine Fragoso - Firjan, Maiza Goulart - Petrobras, Jorge Lopez - Shell; Moderation: Prof. Eduardo Mach - UFRJ
In-person - Attendees: 400

Session 1: Energy Transition and Low Carbon Economy in the O&G industry.
7 November 2022
Heloísa Borges - EPE and Carlos Victal - IBP
In-person - Attendees: 300

Session 2: Exploration, development, and production.
8 November 2022
Carlos Alberto Pedroso - SPE Brasil and Fernando Aragão - Eneva
In-person - Attendees: 200

Session 3: Exploration, development, and production.
8 November 2022
David Bueno - Repsol Sinopec and Fábio Berton - Equinor
In-person - Attendees: 200

Brazil Branch

contd.

Session 4: Emulsions and biofuels.
9 November 2022
Leonardo Bacellar - Petrobras and Yordanka Cruz - UFRJ
In-person - Attendees: 150

Session 5: Technical and regulatory aspects of the natural gas sector.
9 November 2022
Telmo Ghiorzi - ABESPetro, Cristiana Abreu and Danilo Soares - TAG
In-person - Attendees: 150

Brasil-Canada Workshop on Offshore Renewable Energy - 5 April 2023

09:00 Opening Remarks - COPPE/UFRJ and PAMEC.Energy Association/Marine Renewables Canada

09:10 R&D in offshore renewable energy in Brazil - COPPE/UFRJ

09:30 Offshore wind Roadmap and green H2 in Brazil – EPE

09:50 Developments in the Offshore Renewables Segment in the Americas – PAMEC.Energy Association/Marine Renewables Canada

10:20 Coffee break

10:40 Offshore wind energy development challenges in Brazil – ABEEólica

11:00 Offshore wind and green H2 initiatives in Brazil - Açu Port

11:20 Equinor

11:40 Petrobras

12:00 Discussion

Canada



Paul Ryan

Committee
Chair Paul Ryan

It may have been a quiet year for the committee in terms of organising meetings; however, onshore wind, green hydrogen have been capturing headlines in the news while interest in marine science and technology continues to grow. The Canadian hydrocarbons and energy industry are still finding its feet in the energy transitions.

The growth of conferences and exhibitions across Canada which cover sectors of SUT focus demonstrates both interest within Canada as well as global interest in what is happening in Canada.

The committee willing be planning 2024 meetings shortly. Please contact info@sut.org if you are interested in joining the Canada Branch committee.

Eastern Mediterranean

www.sut.org/branch/eastern-mediterranean/



Dan Hayes

Committee
Chair Dr Daniel Hayes
Treasurer Alexis Kadis
Marketing Enrajda Cakalli
ViceChair / Secretary
Dr Nicolas Droushiotis

John Charalambides
Matteo Alessandrini
Natalia Neocleous

This year, we became an official branch!

We participated at this year's STEM 2023. John Charalambides was one of the three presenters at the Technical Workshop the day before the conference.

We are and will be involved in next year's STEM 2024 event (www.subseatechnologyconference.com/). There was a social meeting in Limassol, where branch committee members Nikolas Drousiotis and John Charalambides were invtied to attend.

We have been in discussions with Sue John (SUT UK Chair) to brainstorm on topics for presentations for STEM 2024 and 2025.

In the next 12 months we expect to hold at least two internal meetings and at least one social event.



L-R **Nicolas Droushiotis, Mike Efthymiou, Sue John, Lakis Andronicou, John Charalambides, Demetris Fessas**

Norway Branch

www.sut.org/branch/norway

Activity in the Norway Branch during 2022-2023 focused on restarting the Subsea Awareness Course. The three-day course included visits to the offices of Equinor, TechnipFMC, OneSubsea, ClampOn and Metas. Long-time chair and managers of the Branch, Nils Vaagen and Tom Eriksen retired in the latter part of the term. We thank them for their service.

The Branch is being recentred with committee members in Oslo, Stavanger and other locations in Norway with an eye on moving forward with discussions and potential online webinars focused on active sectors and projects in Norway as well as opportunities to meet in person at events in Norway such as ONS in August 2024 and other Norway-based events.

If you are interested in joining the Norway Branch Committee, hosting or sponsoring a meeting please contact: Sarah Elkhatib: Sarah.Elkhatib@ngi.no or info@sut.org .

Malaysia - Kuala Lumpur

www.sut.org/branch/malaysia-kuala-lumpur/

After a hiatus of almost three years, the SUT Branch in Kuala Lumpur, Malaysia became active again in August 2023, due to a joint initiative by Marian Copilet, Raj Thangavelu and David Trees.

Monthly meetings are taking place every second Wednesday of each month at Loco, a popular location in Changkat, and awareness and attendance of the event is increasing.

Selection for a new committee is underway and elections are planned to take place in January 2024.

Committee

Chair TBA

Jeyanthi Ramasamy
Marian Copilet
Raj Thangavelu



China Branch

www.sut.org/branch/china



ZHANG Yu

Committee

Chair ZHANG Yu
Founder Chairman
DUAN Menglan
Chairman Emeritus
Frank LIM
Technical Advisors
ZHOU Shouwei
ZENG Hengyi
CUI Weicheng
Secretary SUN Ting
Treasurer ZHANG Yu

AN Chen (*Beijing*)
AN Weizheng (*Beijing*)
BAI Xinglan (*Zhejiang*)
CHANG Yuanjiang (*Qingdao*)
FU Guangming (*Qingdao*)
LIANG Xu (*Zhejiang*)
SHEN Yijun (*Haikou*)
WAN Decheng (*Shanghai*)
XU Liang Bin (*Zhuhai*)
XU Wanhai (*Tianjin*)
YAN Jun (*Dalian*)
YANG Zhixun (*Harbin*)
ZHANG Dagang (*Qingdao*)
ZHANG Changzhi (*Shenzhen*)
ZHENG Hao (*Changsha*)

SUT China branch successfully organized the 11th International SUT (China) Technical Conference in Qingdao, China, during 28-31 Nov 2022, in conjunction with China University of Petroleum (Beijing). The conference was hosted by China University of Petroleum (East China).



Vice President Dai Caili of the Host University attended the opening ceremony and delivered a speech. Frank Lim, Chairman of the China Branch of the International Society for Underwater Technology & Principal Advisor of 2H Offshore, and Professor Chang Yuanjiang of the School of Mechanical and Electrical Engineering served as the Chairman and Executive Chairman of the Organizing Committee of the Conference, respectively.

With the theme of "Ship and Marine Engineering" this technical conference focuses on underwater technology, marine engineering equipment, marine resource development and utilization. From the United Kingdom, the United States, Malaysia, Australia, Nigeria and other countries, China National Offshore Oil Corporation, China Ship Scientific Research Center, ABS Classification Society (China) , China Classification Society, nearly 20 domestic maritime colleges and universities more than 30 units of more than 400 experts and scholars, graduate students participated in a combination of in-person and online presentations.

Sun Jinsheng, Academician of the Chinese Academy of Engineering and Director of the Academic Committee of the University, made a keynote report entitled "Research Progress on Drilling Mechanism and Regulation of Natural Gas Hydrates in the South China Sea ".

Derrick Zhang of DMAR Offshore Engineering, Li Qingping of CNOOC Research Institute, Chen Guoming of China University of Petroleum (East China), Wan Decheng of Shanghai Jiaotong University, Yan Jun of Dalian University of Technology, Zhu Hongjun of Southwest Petroleum University, Shahir Liew, Vice President of Malaysia University Technology Petronas, Shen Yijun of Hainan University, Chen Nianzhong of Tianjin University, Professor Cui Weicheng of West Lake University and others made special presentations on underwater installation engineering, subsea dream factory, risk management and control of offshore pipelines and terminals, wave induced fluid structure coupling method, key structural mechanics of flexible pipes and umbilical cables, flow induced vibration of marine risers, wave characteristics of the South China Sea, deep-sea mining system, floating offshore wind turbine digital twin technology, "Rainbow Fish" deep-sea submersible.

China Branch

contd.

The second day of the conference was devoted to engineers, teachers and students sharing their latest research achievements in four technical sessions.

The Annual General Meeting was held on Nov 30, 2022, and Zhang Yu from China University of Petroleum (Beijing) was elected as the new Chair of SUT China Branch and the SUT China Branch 2022-23 Committee was elected, too. After discussion, all the committees agreed that The 12th SUT (China) Technical Conference is going to be held in Haikou, China, dates to be decided.





London & South of England Branch

www.sut.org/branch/london



Richard Binks

Committee

Chair Richard Binks
Deputy Chair
Keith Broughton
Hon Treasurer Iain Knight
Legal Advisor
Simon Hems
SUT Events & Training Manager Jacqui Adams

Mark Pickering
George Varelis
Antonia Corr
Harry Henly
David Gawen
Alex Rimmer
David Newman
Julian Tucker
Spencer Clark
Scott Gower
Joe Hulm
Michael Green

SUT LSE is growing again after last year's reorganisation and focus on achievable targets. Crucially we have introduced a better structure with active subcommittees. This has benefitted us by encouraging more of our enthusiastic members an active input into the branch.

Sub-Committees:

Events Team: Responsible for technical meetings and social events. Within this group, each planned event has a designated leader, or champion, to bring the event to fruition.

City Team: Responsible primarily for running the Lunch and Learns events in London. These events are always important, linking both our regional expertise in the insurance world with subsea engineering community.

Liaison Team: Responsible for reaching out to other SUT Special Interest Groups (SIGs). This team includes the important liaison with the Education and Training SIG.

Membership Team: Responsible for maintaining and developing our individual and corporate membership.

Event Venues:

Lunch and learns are held in corporate member offices in the city. Our target is to hold 4-5 events a year including an annual industry outlook.

For evening events, we have two church hall venues, one at Christchurch in Woking and one in at St Johns church near Waterloo. These are low cost but convenient venues.

For the last two years we have held successful seminar type events at Beazley's head office in Bishopsgate, London. These are longer events with three presentations on related topics followed by a social, kindly hosted by Beazley.

Our aims are to hold 4-5 evening events a year.

Events held:

As a committee there is a focus on energy transition. The events held at Beazley have both been on Carbon Capture topics, introducing the audience (both insurers and engineers) to the complexities of storing and transporting Carbon Dioxide.

Future events planned include all aspects of offshore renewal energy i.e., wind, wave, tidal and blue hydrogen.



London & South of England Branch

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In May we held a joint workshop at Lloyds with the Salvage and Decommissioning SIG. SustainaVerse presented use of Digital Technologies to Visualize Operations and Identify Uncertainties in order to make better Commercial and ESG Decisions.

In September we held a joint technical presentation on FMC's advanced ROV system and secondly life extension of offshore structures from Cescor.

As ever we held our successful quiz night in November at Ye Olde Watling in London. With our socials, we are adjusting to our tighter lower risk budget against progressively higher costs of any formal event in London.

Training

We still have training requirements that have potentially good revenue streams. It will be a more cost effective route to evolve an existing Subsea Awareness course for our audiences in London, rather than developing our own bespoke course. There are different groups with different knowledge requirements i.e., investors in subsea technologies and the insurers of subsea equipment.

Early Career Development

Helping and encouraging members in their early careers is still vitally important. We felt that the best way to do this was to encourage them to be part of our subcommittee structure rather than having a separate SUT+ committee. Encouraging their professional development within subsea technology is an important part of knowledge sharing within SUT.

Membership

Maintaining our membership levels is our lifeblood. Hopefully active committee members act as catalysts within their companies, posting meeting notices and encouraging event attendance.

Corporate members need regular SUT updates to show that we continue to offer added value in return for the membership investment. We also develop ties to other professional groups such as Lloyds U35s and other societies like the Offshore Engineering Society.

Summary

As ever the LSE branch is indebted to its committee members for ideas and the energy to drive us forward. We are grounded as a team, understanding our capabilities and capacities as volunteers. We now have tried and tested venues and so have an excellent base to achieve our targeted events.

Middle East Branch

www.sut.org/branch/middle-east



Adrian Phillips

Committee

Chair Adrian Phillips

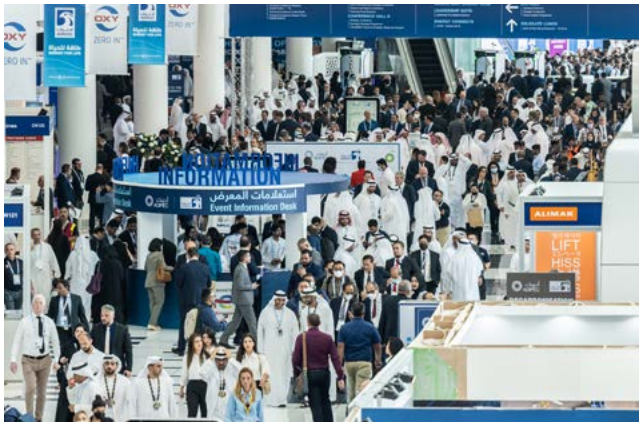
Dubai

Graeme Chalmers
Steve Goddard
Bob Morgan
Nawin Singh
Bedros Mardikian
Anand Menon
Ashish Rawal
Chris West
Ross Anderson
Lesya Kramarenko
Pat Carey

Abu Dhabi

Richard Richards
Russell Harper
Mark Thomer
Katherine Ferguson
Anthony Quick
Scott Steven
Killian Pallop
Jeff Dean
Ibtessam Hasan

Post ADIPEC 2022 we returned to our traditional "face-to-face" model, with a highly successful EPRS (Emergency Pipeline Repair Systems) event at Khalifa University with a visit to Dolphin's facility in KIZAD in Dec 2022. Over 180 attended and followed up with lunch and tour of Dolphin's facility thanks to Mark Thomer as well as a great write-up in *UT-2*. In January we held an interesting Decommissioning event where Claxton, Ashtead and James Fisher talked about activities in region where COVID provided the opportunity to focus otherwise idle vessels on decommissioning.



ADIPEC 2022

Activity really has exploded in the region on the back of the need to replace LNG volumes lost by Russia across the rest of the world and a healthy and relatively stable oil price. ADNOC, Aramco and Qatar Gas continue to release a stream of high value projects. The committee have come together twice and recently over a very busy ADIPEC where SUT had a stand in Hall 15 (Marine & Logistics Zone). It was supported by many members of the committee and SUT local chair Adrian Phillips chaired two of the subsea SPE technical sessions under ADNOC Marine & Logistics Commitee.

Just before ADIPEC we held a third event co-hosted by Khalifa University (KU) entitled Road to COP28 where we explored the renewable energy mix and the offshore, marine and subsea contribution. KU's Research and Innovation Center on CO2 and Hydrogen opened the event, then SS7 covered CCUS and floating Hydrogen, whilst Aberdeen based Mocean tackled wave energy, Hy-Energie dialled in from Kenya to cover floating solar in the region and Worley/Advisian examined the opportunity for offshore wind. It was well attended by Academia, students and industry alike.

Middle East remains a challenging domain for SUT type activity, with its projects surge, climactic challenges, transient nature of the expatriate engineering community. Another 30% of the committee has changed jobs or left in the last year. The committee in constant flux but we are running online and face to face events and now have almost 2000 subsea professionals in the region with an interest in what we are doing.

We continue to draw the committee from major players in the industry; major EPC (McDermott and Subsea 7) and ADNOC. Otherwise, the committee has representatives from Ashtead, DCN BV, Fugro, Lloyd Warwick, Dolphin Energy, Motive, Prysmian, Baker Hughes, Horizon Geo, Unique, Dolphin Energy and the Tekmar Group. These companies are the subsea industry in the Middle East and all focused-on Aramco, ADNOC and QG (QatarGas) offshore activity in Saudi, UAE and Qatar. I continue to thank all for their continued energy and commitment.

We continue to be at an early stage of our development, supported by HQ SUT but we mark our fifth anniversary in region at ADIPEC.

North of England Branch

www.sut.org/branch/north-of-england

The North of England Branch meets on a bi-monthly basis. Over the last year, we held a series of technical sessions as well as a site visit to Port of Blyth. Our membership includes students from local Universities as well as engineers and scientists from the local subsea engineering community.



The technical sessions were a mixture of face to face and remote presentations. In November, renowned experts Peter Allan and Dr Indrasenan Thusyanthan gave insight into geotechnical considerations for offshore wind turbine installation and the protection of cables.

In the February meeting, Dr Richard Graham provided a detailed overview of the engineering behind the SMD E-ROV, which boasts a series of novel features. The second presentation of the evening was from Vahid Walker, presenting the Subsea A-Flux electrical machine, as well as giving an overview of the state of the subsea motor market place.

The site visit to Port of Blyth was kindly hosted by Enshore, with Henry Oakes and Hender Blewett giving guided tours, taking in some of the remarkable equipment designed and built in the North East.

All events have been well attended. Thank you to the organisers, venue hosts and sponsors for your continued support!





Vahid Walker

Committee

Chair Vahid Walker
Honorary Secretary Dr Simon Benson
Treasurer Jon Greenwood

Dr Ian Frazer
Martin Bingham
Andy Roberts
Michael van Zwanenberg
Nick Wright

Singapore Branch

www.sut.org/branch/singapore



James Christie

Committee

Chair James Christie
Vice Chair Colin Campbell
Secretary Florie Mancel

Anthony Gleeson
Che Keong Lee
Mark Corbridge
Andrew Blears
Andy Ching
Phillip Thomas
Jose Puig - Treasurer
Petter Nilson
Derek Donaldson
Leonard Kong

It has been another succesful year here at the Singapore Branch, holding technical evening meetings and committee meetings, and continuing to promote and engage in subsea activity in the region.

Meetings:

Technical evenings

29th Sept 2022
Presentations:

- APAC market overview by Thom Payne from Westwood Global Energy Group
- GNSS / INS Post processing for Hydrography Qinertia Software by Jeremy Colombel from SBG Systems
- Technological Innovations by Uni Bull from Norbit Subsea

3rd Aug 2023
Presentations:

- Self-discovery: Opportunities to learn alongside students by Dr Ser-Keng Ang, Principal lecturer of finance from Lee Kong Chian School of Business Singapore Management University
- An introduction to floating solar and Ocean Sun by Are Gløersen from Ocean Sun
- Errors in pressure to depth approximations and how to avoid them by Jose Puig of Sonardyne Asia

The next event planned is our end of the year social – 7th December

Committee meetings were held on 29th March and 21st August, with the next meeting planned for 23rd of November.

What's next?

As well as continuing our programme of events, we are in the process of signing an MOU with the Marine Technology Society and IEEE Oceanic Engineering Society (OES) to be a co-sponsor for Oceans 2024 taking place in Singapore. OCEANS – Singapore Conference (oceansconference.org).

US Branch

www.sut.org/branch/houston

SUT-US is governed by an Executive Committee and includes five technical committees; Offshore Site Investigation and Geotechnics (OSIG), Subsea Engineering and Operations Atlantic (SEO Atlantic), Robotics & Automation (R&A), and Marine Renewable Energy Committee (MREC); by four non-technical committees, the Young Professionals, Education, School Touring, and Women in Industry Committees; and by five students chapters, Texas A&M University (SUT-TAMU), the University of Houston (SUT-SES-UH), the Texas A&M University - Galveston (SUT-TAMUG), Rice University (SUT-RICE). All are active groups that meet regularly, and which have active memberships. SUT-US continues to hold in-person Networking Events on the first Thursday of the month.

SUT-US paid support includes Mrs. Patsy Rhymes who assumes the coordination of in-person events; Mariana Diaz who is responsible for the coordination of online events and overall communications for the Branch, as well as supporting editor and as an accounting assistant, and David Dooley who assist with the website and weekly newsletter.

Below is a summary of the key activities held at the SUT-US branch for the period of 1 July 2022 - 30 June 2023.

Offshore Technology Conference OTC:

May 1st-5th, 2023 – SUT-US had a booth with representatives from our branch. NRG Park OTC SUT-US Paper Sessions and OTC at Reliant Center SPE Hiring Event

Subsea Awareness Course:

September 12th – 15th, 2022 | In-person attendees: 12

February 13th – 16th, 2023 | In-person attendees: 9

Floating Wind Solutions:

January 30th – February 1st, 2023

Networking Events & Other

- Networking Event – August 4th, 2022 – Memorial Wine Cellar
- Networking Event – September 1st, 2022 – Red Lion Pub
- Networking Event – October 6th, 2022 – Watson's House of Ales



Patsy Rhymes SUT-US, Roneet Das NGI

- Networking Event – November 7th,2022 – Memorial Wine Cellar
- Networking Event – December 9th, 2022 – Daily Gather Restaurant
- Networking Event – January 5th, 2023 – Red Lion Pub
- Networking Event – February 2nd, 2023 – Watson's House of Ales
- Networking Event – March 2nd, 2023 – Red Lion Pub
- Networking Event – April 6th, 2023 – Memorial Wine Cellar
- Networking Event – May 1st, 2023 – Join event with Integral at the OTC
- Networking Event – June 1st, 2023 – Memorial Wine Cellar



Tricia Hill

Committee

Chair & President
Tricia Hill
Treasurer and Training Officer Dr. Rodolfo Sancio
Secretary Dr. Xiaoyan Long

Maria Ancheril
Roger Osborne
Kim Faulk
Sam Guo
Heather Cousson
Colin Johnston
Steven Johnson
Sandra Jakl
Zack Westgate *OSIG Chair*
Chris McHugh
MREC Chair
Andrew Haigh
School Touring Chair
Faisal Yousef *Robotics and Automation Chair*
Fathi Ghorbel *Robotics and Automation Vice Chair*
Patricia Varela
Young Professionals Chair
Mark Siegmund
Past SUT Chair

Zenon Medina-Cetina *Past SUT Chair*
Valeria Gonzalez Romero
SUT-TAMU Student Chapter Chair
Charles Stewart *SUT-Prairie Student Chapter Chair*
Damilola Abe *Education Committee Chair*

US Branch

contd.



Photos from various networking events



OSIG-US Committee

Andy Hill BP, OSIG-US Chair

OSIG-US is comprised of the following subcommittees: Short Courses and Learning Seminars and Webinars. The committee is comprised of 38 active Full and Associate members. The Officers are Andrew Hill (Chairperson) and Logan Brant (Secretary). Term as Chair will be completed at the end of 2023. The new OSIG Chair was elected on 20 January 2023. Zack Westgate the new Chair-Elect will transition to Chair in early 2024, his term will be from 2023 through 2025. Logan Brant was re-elected to Secretary on 20 January 2023. His term will go from 2023 through 2025. This committee meets every quarter; Q4 October 7th, 2022, Q1 January 20th, 2023, and Q2 April 21st, 2023.

Committee Members:

Andy Hill (Chair), BP
Zack Westgate (Chair-Elect), UMass Amherst
Logan Brant (Secretary), Geosyntec Consultants
Andrew Haigh, Xodus Geohazard
Bob Gilbert, UTexas Austin
Chris McHugh, Sulmara
Chuck Aubeny, TAMU
Craig Shipp, Retired
Dan Lanier, GEMS (Geosyntec)
Dan McConnell, GeoMarine Resources
Dan Spikula, BP
Dianna Phu, Advisian
Earl Doyle, Retired
Ed Clukey, GeoMaxEd
Heather Cousson, Mayflower Wind
Kerry Campbell, Retired
Kim Faulk, GEMS/Geosyntec Consultants
Niall Slowey, TAMU
Rob Little, Chevron
Ryan Beemer, UMass Dartmouth
Shawn Williamson, Woodside
Victor Taboada, Fugro
Xiaoyan Long, Fugro
Zenon Medina-Cetina, TAMU

Associate Members

Alan Foley, Retired
Amanda Evans, Gray & Pape
Christian Noll, BP
Francisco Hernandez-Martinez, Saudi Aramco
Jack Templeton, SAGE USA
Jan Van Smirren, Ocean Sierra
Jeong-yun Won, Innovative Geotechnolgy
John Albertson, SEARCH
Justin Bailey, Alpine Ocean
Justin Carpenter, Benthic
Leonardo Macelloni, USM
Nick Clark, TDI-Brooks International
Ning Luo, TAMU - Corpus Christi
Patricia Varela, Geosyntec Consultants
Peter Ramsay, Mind-Technology
Roneet Das, NGI
Stephanie Milne, RPS
Stephanie Watts Favreau, Exxon Mobil
Steven MacDonald, S.T. Hudson Engineers, Inc.
Tony Hewitt, Advisian

US Branch

contd.

OSIG-US's activities for the 2022/2023 have included mainly webinars as listed below:

Completed Learning Webinars:

- July 28th, 2022 - Online Event – "Vibratory Installation of Bucket Foundations for Fixed Offshore Wind Turbines" to be presented by Dr. Charles Aubeny. This talk was based on his state-of-art research work funded by the National Offshore Wind Research and Development Consortium on the use of vibratory methods to install the buckets and the application for the current generation of 15-MW wind turbines | Webinar attendees: 34
- August 30th, 2022 – Online Event – "Marine Site Characterization for Carbon Sequestration Projects" In this webinar, Yosmel Sanchez builds on the current practices in marine site characterization for drilling and development and provided recommendations for the adoption and configuration of these practices for offshore geologic carbon storage | Webinar attendees: 11
- September 22nd, 2022 - Online Event - Geotechnical Characterization of an Offshore Frontier in East Africa by Dr. Rodolfo Sancio | Webinar attendees: 13
- May 19th, 2023 - Imperial College, London - 9th International OSIG Conference: Student Poster Competition
- May 27th, 2023 - Online Event – "The Time is Now to Improve Our Understanding of the World's Ocean" by David Millard | Webinar attendees: 12

OSIG-US committee maintains liaisons with most other SUT-US committees, including WIND, Marine Renewables, and School Visiting. The two most recent committee meetings were held with both in-person and remote attendance options.

SEO Atlantic (& Europe) Committee

The Subsea Engineering and Operations Committee (SUT-SEO) has transitioned to SEO Atlantic. Its membership includes 30 individuals and experts in the various fields from the US, Canada, Mexico, and the UK: Texas A&M University, NOV, TechnipFMC, McDermott, Wood, CIGoM, 2H Offshore, Subsea7, Intecsea, Saab Group, Husky Energy, Dominion Diving, Double Engineering, Angler Solutions, Fugro, Cyprus Hydrocarbons Company and other subsea services, and consultancy organizations.

SEO Atlantic is meeting monthly with technical presentations and discussing about industry topical themes and potential learning programs. A significant focus has been in the Energy Transition and the Net Zero Technology Centre challenges driven from UKCS North Sea, Aberdeen, Norway and US sectors with carbon capture and storage, offshore wind, ROV AUV and digital twin projects, among others.

Year Long Activities:

Guest Presentations and Regular SUT-SEO Meetings:

- July 27th, 2022 - Mr. Shashikant Sarada (Director, WSP), 'Offshore Wind: Potential vs Reality'
- August 31st, 2022 - Mr. Stuart Duncan (Manager, DOF), 'DOF Subsea of Floating Offshore Wind- Subsea Surveillance and Installation Work Offshore Norway on Equinor Hywind-Tampen Floating Offshore Wind Project'
- September 28th, 2022 - Dr. Adam Ballard (Technology Advisor, Hess), 'Digital Twins for Subsea'.
- October 26th, 2022 - Todd Newell (SVP, Nauticus Robotics), 'Utilizing fully autonomous robotics to execute subsea manipulation'.
- January 12th, 2023 - Joint Committee meeting with the Robotics & Automation Committee, Sam Taylor (Ocean Infinity), 'Building our Armada –Key developments for large scale remote operated vessel fleet'.
- February 22nd, 2023 - Mr. Nikhil Joshi (Chief Technology Officer, VerdeCO2), 'CCUS and related energy transition for Offshore'.
- April 2023 - Charlie Reith discussed for a proposed joint SUT-SEO and IMarEST on the Radar session. 'Technology and Innovation in UK Maritime: The case of Autonomy and linked Marine Remote Ops with Digital Twin Technology a vision to 2050 with staged progress targets for 2030'.
- April 13th, 2023Charlie attended the SUT Strategy Meeting, organized by SUT-UK.

US Branch

contd.

- May 12th, 2023 - KP attended SUT-US planning session in Houston, organized by Tricia Hill.
- July 2023 - KP assumed as the Chair of the SUT-SEO Atlantic & Europe Committee after former Chairman of the Committee, Charlie Reith. The committee agreed in Jun 2023 to meet bimonthly for regular discussions and presentations.
- May 24th & Jun 28th, 2023, regular meetings were held only partially due to technical issues with discussions on the future activities and planning session held in May, 2023.
- July 26th, 2023 - Dr. Christopher Bridge (Life of field digital domain champion for Onesubsea). 'Digital Twins and Digitalisation'.
- KP attended SSTB meeting in Galveston along with Tricia and Patsy, Mar 2023, attended OTC meeting held in Houston, May 2023.

SUT-SEO Website Updates Taking Account of Energy Transition Changes ***sut.org/specialist-interest-group/subsea-engineering/***

- **Monthly Meeting in April 2023:** SUT-SEO (UK) organized specialist speakers from both the IMarEST and IMCA-MASS Regulation Changes to participate in a special focused SEO session to help coordinate a more communicated effort on these Energy Transition opportunities, Gain a better understanding of MASS regulations for remote autonomous vehicles and regulation changes in UK/USA.
- **Monthly Meeting in May 2023:** Subsea Robotics & Remote Operations Centers to more automation and working alongside Digital Twins "Lunch & Learn" for SUT Young Professionals (UK). Charlie delivered a Webinar presentation to the SUT-US Young Professionals on May 25th, attended the SUT-UK International Training Committee meeting on the 31st May, 2023.
- Workforce Sustainability across this Global Energy Transition Updated - UK coordinating meetings with the Global Underwater Hub supporting various STEM Challenge Initiatives, OPITO, IMCA and the IMarEST the National Subsea Centre and the Energy Transition Aberdeen. Similar coordinated effort in the USA with all appropriate bodies Colleges, Universities such as the UK Engineering Council.
- Discussion how to increase the participations in the meetings and webinars and share information on the employment opportunities.

Future Activities:

- Guest Presentations and Regular Meetings – Bimonthly- Continued
- Possible webinar activities

Topics of Interests

- Creating an Integrated Marine Energy Cluster Focused on Delivering Net Zero (decarbonization)
- Offshore Wind Energy (Fixed and Floating Wind Farms, Transport/Cable/Grid Challenges)
- Carbon Capture, Utilization and Storage (CCUS)
- The Hydrogen Economy
- Digital Transformation – Digital Twins-Cloud Data
- Advanced in Subsea Robotics
- Remote Operations Technology
- Environmental, Social, Governance (ESG) Impact Levels
- Electrification of Offshore Assets across the energy transition
- Subsea Processing – All Electric and Others
- People & Skills Development - Workforce Sustainability Subsea & Marine Energy Sector

US Branch

contd.

- SUT-UK STEM Challenge Initiatives – OPITO, IMCA, IMarEST
- SUT-SEO - Colleges, Universities - Students involvement in the work-related issues in robotics, OESI etc.
- Needs to Endorse and Finalize the Activities based on the strategically agreed by the SUT, SEO, Chair and President on the SEO Special Interest Group Website – Focus on Energy Transition and Blue Economy opportunities.
- Finalize website inputs with a consolidated SUT-SEO Road Map and be the tool to help promote and engage more, young SUT professionals. https://sut.org/specialist-interest-group/subsea-engineering/
- How to increase participations in the meetings and webinars and share information on the employment opportunities.

Recommendations

- From a skills gap and skills shortage perspective going forward across SEO activities and with the increased use of Remote Marine Operations centers globally.
- Digital skills, e.g., data analysts and technicians/engineers with an understanding of how to interpretate live data streams and working alongside Digital Twins which will be used more and more with AI tools.
- Further training to existing subsea/ marine ops personnel in these digital data tools, digital engineering/ data science, robotics, machine learning, SCADA related skills, software tools with defined competency measurement's/assessments through agreed training organizations and at regulated intervals.

Activities include:

Terms of Reference for the SEO Atlantic Committee was finalized by Charlie & KP after discussions/inputs from the committee members.

Presentations and Meetings:

- July 27th, 2022 - Online Event - SEO Offshore Wind Multi-Discipline Engineer's Perspective - Special guest, Shashikant Sarada, share his offshore wind perspective as a multi-discipline engineer free-of-charge.
- August 31st, 2022 - Online Event - Reducing Uncertainty on a World First Offshore Floating Wind Project Ref-Hywind Tampen Project by Stuart Duncan
- September 28th, 2022 – Online Event -Digital Twins by Dr. Adam Ballard



Robotics and Automation Committee

Faisal Yousef P.E., Engineering Consultant / API Lead Auditor

The Robotics and Automation Committee (R&A) is chaired by Faisal Yousef, P.E., Engineering Consultant / API Lead Auditor. Individuals from the following organizations committed membership: Schlumberger, SAAB, inRobotics, Kongsberg, Chevron, CANRIG, RBR Group, TAMU, UH CL, and Rice University.

Committee Members

Faisal Yousef (Chair)
Fathi H. Ghorbel (Vice Chair)
James Bruster Dabney (Secretary)
Wenyu Zuo
Eric Levitt
Roneet Das
Hifzi Ardic
Arnt-Helge Olsen
Binbin Wang
Byul Hur TAMU
Christopher Roper
David Fraser
John O. Allen
Nick Tillmann
Ram Shenoy
Sudhir
Chen Zhen
Tricia Hill
Reenst Lesemann
Jeck Hoff
John O. Allen

US Branch

contd.

Highlights

Meetings and Quality Presentations:

- Robotics Assisted Offshore Oil Platform Operations and Inspections - By Dr. Zheng Chen – University of Houston – November 11, 2022.
- Ocean Infinity – Building our Armada – Key developments for large scale remote operated vessel fleet By Sam Taylor – Ocean Infinity – Sales and Business Development – January 12, 2023.
- Robotics & Automation 2023 Planning Meeting – February 10, 2023
- Water Powered Seaeye Sabertooth – Cuts CO2 Emissions By Chris Roper with SAAB – March 24, 2023
- Overview of underwater robotics at the NASA Jet Propulsion Laboratory by Chris Yahnker / Chief Technologist for Autonomous Systems - NASA JPL – April 21, 2023
- Robotics & Automation Meeting / Discussed Robotics Course with SSI and University of Houston – June 23, 2023

Webinars:

- Robotics Assisted Offshore Oil Platform Operations and Inspections - By Dr. Zheng Chen – University of Houston – January 26, 2023.

Joint Meetings:

- Joint Meeting with SUT - SEO Atlantic:
- January 12, 2023
- April 21, 2023

OTC Paper:

- Robotics Workforce Training, Offshore Energy Transformation By Dr. Wenyu Zuo, Dr. James Dabney, and Dr. John Allen – University of Houston – May 1, 2023.

Lowlights

- Webinar - Verification of Trusted Autonomy by Dr. James Dabney – University of Houston, was scheduled for April 13, 2023, had to postponed due to lack of Interest.
- Webinar - Canrig Robotics by Hifzi Ardic was postponed to the Fall of 2023.
- No Face-to-Face Meetings
- No In-Person Site Visits due to summer travel.

Future Events

- Lunch & Learn – KONGSBERG Robotics – September 21, 2023.
- Webinar - Verification of Trusted Autonomy By Dr. James Dabney – University of Houston - October 26, 2023.
- Webinar - Canrig Robotics by Hifzi Ardic – TBD This Fall
- Exploring Possibility of Robotics Course with SSI and University of Houston.
- Exploring Possibility of a Workshop on future of AUVs

US Branch

contd.



Marine Renewable Energy Committee (MREC)

Chris McHugh, Technical Authority Geophysics Sulmara Subsea
Marine Renewable Energy Committee (MREC) Chair

Christopher McHugh, Technical Authority Geophysics Sulmara Subsea, chaired the Marine Renewable Energy Committee (MREC) June 2022 thru June 2023. Individuals from the following organizations committed membership: Geosyntech Consultants, Texas A&M University, University of Houston, Wood Group, Siemens, Fugro, Subsea, Power Engineers, Element, JDR Cables, Integral Consulting Services, and BP.

Committee

Deanne Hargrave
Carlos Avila
Steve MacDonald
Roneet Das
John Allen
Richard Barratt
Sam Guo
Zach Westgate
Ryan Beemer
Patricia Varela
Maria Ancheril
Keshawa Shukla
Mohammed Chouikha
Damilola Abe
Steve Johnson

Webinars & Presentations

- August 30th, 2022 - Online Event - Marine Site Characterization for Carbon Sequestration Projects by Yosmel Sanchez | Webinar attendees: 9

The US MREC is looking to develop into a primary industry resource for offshore renewable energy. We want to push and support more academic programs in this field by enabling industry connection for R&D and career pathways for students. There is an overall lack of standards as renewables is a fast-growing industry, MREC aims to be at the forefront of being a contributor and champion of composing industry standards and best practices. MREC committees from all SUT international branches are working together to accomplish these goals.

In the US we are putting together a short course that looks at the life cycles and types of offshore renewable energy. We intend to grow this course into a multi-day course that will bring together multiple regions for a in depth information training course that will help grow and develop the current renewable work force and train future generations.

Scholarship Committee

Six members comprise the Education Committee, chaired by Christopher Curran. This committee is responsible for reviewing SUT US' annual scholarship applications.

The 2023 scholarship recipients were recognized during the Scholarship Awards Ceremony on September 8th, 2023. The selected students by the Scholarships Subcommittee were:

- Adebowale Adedoyin (University of Southern Mississippi)
- Salvatore Fricano (Rutgers State University, New Jersey)
- Elias Adediran (University of New Hampshire)
- Jesse Noble (Rutgers State University, New Jersey)
- Musa Animashaun (University of Southern Mississippi)
- Tyler Kleinsasser (Black Hills State University)

US Branch

contd.



2023-2024 Scholarship Awards Event Attendees

Scholarship Press release: *https://sut-us.org/event/2023-2024-Scholarship-Award-Ceremony/638251803291839756*

School Touring Committee

The School Touring Committee is run by Andrew Haigh. This committee is for volunteers who joined the School Touring Committee had the opportunity to enthuse middle school and high school students about STEM subjects in Houston and surrounding areas. The outreach program allowed you to engage with students by talking about your personal career path, participating in classroom exercises, and presenting materials about ocean, earth, and space science topics.

Event:

February and March 2023 – In person Event at Ocean Geo Solutions Inc (OGS)

These Lunch & Learn Trainings took place from 12pm to 1.30pm. We provided lunch for any volunteer that attended.

These trainings were oriented to Middle School 'Seeing with Sound' and 'Geology Rocks'.

- Seeing with Sound - Exploring the oceans and seas - Thursdays Feb 9th and Weds Feb 22nd.
  - STEM highlights: Exploration, discovery, ocean science, acoustic waves, remote sensing, physics, math, robotics, environmental, oceanography, marine biology, marine archaeology, history, career opportunities. Can include a historic shipwreck mapping exercise.
  - Taught by Marine Geophysicists, Ocean Scientists, Geotechnical Engineers, Marine Archaeologists, Marine Project Managers
- Geology Rocks Wednesdays Feb 15th and Weds Mar 1st.

A volunteer program bringing science subjects and scientists to classrooms across the US. At middle school level

US Branch

contd.

the program offers interactive 40 to 50min presentations and classroom exercises that focus on reinforcing STEM subjects being taught in class and showing these subjects in action exploring our world and beyond.

- STEM highlights: Geology, seismicity, volcanics, mineralogy, chemistry, physics, paleontology, career opportunities. Includes video and interactive discussion of the Great Tohoku Earthquake and Tsunami
- Taught by Geologists, Civil Engineers, Earth Scientists, Archaeologists



Educational Committee

Damilola Abe Wood PLC Engineer at Wood, Data Analyst
Educational Committee Chair

We have a new chair for the Educational Committee Damilola Abe (WoodPLC) who has managed to gather a new group of Student to represent each university. Congrats on your new role as Chair of the student chapter! For Texas A&M University we have Gabriella Porter, with Faculty Advisor and Dr. Zenon Medina-Cetina. For Texas A&M University at Galveston we have Virginia Limon, with Faculty Advisor, Dr. Diego Gil. For UH SUTSES Kadima Agostinho, He's a subsea engineering student at the university of Houston and will serve as the president going forward.



Young Professionals Committee (SUT-YP)

Patricia Varela Young Professionals Chair

Learning Luncheons, Webinars and Networking Events:

- October 27th, 2022 - Speed Halloween Networking Event at Rudyard's Pub Montrose Webinar attendees: 7
- April 27th, 2023 – "Naphthenates: A chemist perspective of a flow assurance and production nightmare" by Jonathan Wylde | Webinar attendees: 5

Accomplishments of our Members

OTC Emerging leaders program recognizes young professionals who are making key contributions to the offshore energy sector in their field of work, service to the industry, innovation, and focus on safety.

- Patricia Varela, Chair, recipient 2021
- Ajay Shastri, Professional Organizations Liaison, recipient 2022

Patricia Varela and Roneet Das moderated a session on the 4th International Symposium on Frontiers in Offshore Geotechnics (ISFOG 2020) in Austin, TX.

Mentoring Program Update

- 26 mentees have enrolled - 8 Young Professionals, 18 Students - U of H, Prairie View, University of Southern Mississippi, Louisiana State University
- Positive feedback from mentors and mentees

Women in Industry

The SUT-US Women in Industry Subcommittee (WIND) task force was created to cultivate awareness on inclusion, diversity, mentoring and leadership directly from academia and industry professionals. Its goal is to engage men and women equally through the Champagne & Conversation Series, a platform to learn about how the industry has changed over the past years in terms of diversity and inclusion by gathering senior level professionals as well as young professionals from the offshore energy industry, to talk about their experiences and share their

US Branch

contd.

experiences and advice for future industry leaders.

WIND was previously led by Luz Zarate, Enterprise Architect at RPS, and now an interim Chair Melissa Gould Stress Engineering and its committee is complemented with membership from Chevron, Stress Engineering Services, GEMS, Intecsea, Geosyntec, and KBR.

Committee participants:

Luz Zarate – Shell
Amber Sturrock – Chevron
Kim Faulk – Gems/Geosyntec Consultants
Dinna Phu – Intecsea
Patricia Varela – Geosyntec Consultants
Kaci Callahan – Technical Sales Engineer
Donald Burris – KPR
Stephanie Ingle – Fugro
Tina Drexler – ExxonMobile
Camila Lugo – Fugro
Martha Ramos Gomez – DNVGL
Brianna Norris - TechnipFMC

Events

Champagne and Conversation Series Events:
October 20th, 2022, Hybrid Event
Champagne & Conversation Series: "Cultural and Leadership Evolution for a Multi-generational Workforce" where we heard from Evelyn MacLean on her career evolution | Webinar attendees: 16
Sponsors included RPS, NOV, Intecsea, and Endeavor Business Media. Hosted by Melissa Gould, Stress Engineering





1st Picture from left to right: Guest, Jon Halliburton, Jill Watson, Tina Drexell. Second picture: Bill Berry and Ida Radi. Third picture: Evelyn MacLean and Melissa Gould

February 23rd, 2023, In-person Event
Champagne & Conversation Series: " Solving The Big Three Challenges for the Workforce of the Future" where we heard from Helen Steward on offshore safety for those that don't fit the mold | Webinar attendees: 35
Sponsors included NOV, Endeavor Business Media, Chandler Creations, Avva Rosé Skincare, and Ensearch Energy Recruitment. Hosted by Melissa Gould, Stress Engineering




Group discussions at Memorial Wine Cellar

US Branch

contd.

May 18th, 2023, In-person Event
Champagne &Conversation Series: "How Our Evolving Workforce Affects and Influences Our Workplace". We had a table discussion moderated by Melissa Gould Stress Engineering, and led by Jon Halliburton Ensearch Energy, Amber Sturrock Chevron and Krista Heidebach Fugro | In-person attendees: 25
Sponsors included NOV, Endeavor Business Media, Wood, Chandler Creations, Revamp Cosmetics, Avva Rosé Skincare, and Ensearch Energy Recruitment.



Photos include: Melissa Gould, Jon Halliburton, Krista Heidenback, Amber Sturrock. Top Middle: Amber Sturrock, Briana Norris, Tricia Hill SUT-US President. Top right: Karen, Tricia Hill SUT-US President, and Midi Van Smirren.

SUT-US Boston:



Lisa Hill is starting a group in the New England area for offshore Wind. They had their first event co-hosting- Boston Offshore Wind Drinks on May 24th, 2023, there were 110 attendees.

Reports from Commmittees of Council and Special Interest Groups



Education

Unfortunately, the Education SIG has not met during the reporting period with insufficient volunteers to form and support the committee.

Nonetheless, education remains firmly on the SUT agenda and working with other associations, bodies and conference organisers the Society continues to engage with students, academia and employers to discuss ocean careers, the opportunities, the challenges, the skills gap and employment throughout our industry at events such as Oceanology, Ocean Business, and the 2022 MASTs conference. SUT's Decommission and Wreck Removal day engaged with hundreds of Scottish marine science/ engineering students. SUT-US Branch has student chapters at five Texas universities. In Australia, Perth WA Branch has a family beach side wind turbine outreach programme.

The Educational Support Fund received nineteen applications including strong global representation.

The Christmas Lectures have not returned to the SUT programme. There have been several reasons including increased costs, decline in sponsorship for Christmas lectures, teacher workloads and school schedules. The SUT is moving forward looking at how we can engage with others to broaden our outreach including online presentations and increased awareness of ocean issues and careers with school pupils and teachers.

For the next year my aim is to reinvigorate the education committee. We need more volunteers from our university members, academia, corporate members interested in continuing education for employees and individual members interested in education. If you have any ideas or education focused news items, please email Emily Boddy for inclusion into the next issue of *Big Blue World*. If you are interested, please contact me: ***Chair@sut.org***.



Sue John

Committee
Chair Sue John

Educational Support Fund Management

The Society for Underwater Technology continues to support students through our Educational Support Fund (ESF). Each year we invite applications for scholarships which attract candidates from around the world. Unfortunately, the Society is not resourced to be able to award funding to everyone who applies. Nineteen applications proceeded to the final judging, before the judges determined the short-list from which the winners were finally selected. We hope to be able to grow the number of awards we make in future. The Society thanks all those who donate funds for this purpose.

Following the death of Bil Loth, Past President of SUT in 2021, at the request of his Bil's family donations in Bil's memory established a JustGiving page for this purpose with the consent and support of SUT Council. The funds will be used to provide a grant to Doctoral student in 2023. Donations can be given at ***www.justgiving.com/fundraising/bil-loth.***

In 2022-2023 the Society was able to make two scholarship awards. The recipients of grants from the Educational Support Fund were: Francesca Fehlberg and Chung-Wei (Ryan) Lin.

Francesca Fehlberg for an SUT Studentship to help her undertake a one year MSc in Marine Environmental Protection at Bangor University's School of Ocean Sciences.

Ryan Lin for his Offshore Wind Energy Engineering MSc at Imperial College

While students from all over the world are able to apply for the ESF scholarships; several of the SUT Branches operate their own scholarship schemes with USA Branch raising thousands of dollars of corporate sponsorship to support students from Texas A&M, Rice, and Houston universities for now, with others planned for the future. Perth (Australia) Branch also support scholarships.

Donations can be made to the SUT in aid of the ESF at ***www.justgiving.com/soc-underwatertech.***

Summary of Undergraduates who graduated in 2023

MSc Marine Environmental Protection - Bangor University
MSc Engineering Fluid Mechanics for the Offshore, Coastal and Built Environments - Imperial College

Summary of New/Continuing Undergraduates 2022-2023

Engineering Science - University of Oxford
Marine Biology with Oceanography - University of Southampton
Ecology & Conservation - University of St Andrews

International Training

The 2022-23 year has seen a continued growth of face-to-face courses across the SUT branch network, including subsea awareness courses (SAC) in Aberdeen, Perth and Houston together with the introduction to Geophysics and Geotechnical Engineering in Southampton. In tandem with face-to-face course the society has continued to present online courses for example on floating wind and the inhouse SAC for one of our member companies. I am also pleased to report the new Cyprus-based Eastern Mediterranean branch ran a successful introduction to subsea course in conjunction with the inaugural Subsea Technology Eastern Mediterranean Conference. Both the conference and course will be taking place again in 2024.

Looking forward the Society is working extend the existing online short course in Offshore Wind Renewable Energy into a three-day in-person event to include visits to key sites based in the Newcastle area of the UK. The planned first presentation of this course is in October 2023. At the time of writing the Society is in discussion on running further 'inhouse' courses for companies operating in the underwater/marine space.

The international training committee met three times over the year, two of the key topics discussed were global standards for competency and 3rd party training provision. In respect to competency standards the feedback to council was that this is not an area the SUT should be putting effort into. This view was based on limited pull from industry and difficulty others had experienced in achieving any meaningful agreement with initiatives of this sort. Two initiatives with the SUT endorsing 3rd party training provision were agreed with Council, progress to date on these has however been slower than hoped.

To improve coordination between UK branches on training, a coordination group has been set up with representatives from each UK branch and other members actively involved in training delivery. The main aims of the group is to avoid duplication of effort and coordinate training schedules to try and avoid peaks in workload for SUT staff supporting training activities.



David Saul

Committee
Chair David Saul

Moya Crawford
Leanne Geneve
Robert Luff
Bob MacDonald
David Newman
Ralph Rayner
Charlie Reith
Paul Ryan
Nick Swift

International



Steve Hall

Committee
Chair Steve Hall

SUT Chair Sue John
Former SUT Chair David Saul
Former Chair China Branch Frank Lim
SUT CEO Cheryl Burgess
Chair Perth Branch Steve Duffield
Chair/President USA Branch Tricia Hill
Richard Binks
Jim Neffgen

Ad-hoc membership – other Branch Chairs when available to attend meetings

The SUT International Committee reports direct to SUT Council and was established when SUT began to grow beyond the initial branches in the UK, spreading to Houston in the USA, Perth in Australia and eventually to the global network we have today.

The Committee maintains links with the Chairs of all of our overseas Branches, provides advice and guidance to individuals or groups who are interested in starting new Branches, and keeps Council updated on the health and activities of Branches. This can include recommending that a particular Branch is not functioning and should be closed down, and working with Branches to help steer them through the challenges of their early years. It should be noted that in SUT, overseas Branches are usually separate legal entities established under the laws pertaining to the nation where they are based, and in compliance with the local charitable or not-for-profit status rules. For this reason, not all Branches have identical constitutions or management systems, and one of the key roles of the International Committee is ensuring that each of our Branches stays broadly aligned with the Articles of Association that govern the UK branch, adapted to local legal, fiscal and cultural norms.

In some instances a Branch may not be a separate legal entity to the UK, usually in the early stages of being set up, or where there is not a suitable legal model that can be followed in the territory concerned. For example, our Middle East Branch submits financial returns to the UK head office for accounting purposes.

Membership of the International Committee consists of the Committee Chair, senior representatives of SUT Council, and as many of the Branch Chairs as are able to spare time to attend meetings. These are rarely face to face as members are distributed across the world, and it is some years since all of the Branch Chairs did have the opportunity to meet in person.

In 2022-23 the International Committee has only met online, and key items of discussion have been around ensuring consistency of approach to recruitment of members, the provision of training courses, and compliance with legal and ethical standards. With regret, we had to recommend the closure of the West Africa Branch due to non-submission of required documentation concerning finances and operations, and the restructuring of the Norway Branch, which is now underway.

We were very pleased to see the establishment of our Eastern Mediterranean Branch, and look forward to helping SUT continue to thrive in a challenging period for all Leaned Societies.

Policy Advisory

The SUT Policy Advisory Committee had had a quiet year. Chaired by CEO, Cheryl Burgess and including SUT President Moya Crawford, the committee has been requesting information from the Society's Special Interest Group for their thoughts and abilities to develop policy statements from each SIGs. Requests for responses to enquiries from Parliamentary Committees, government departments, agencies and working groups were disseminated to special interest groups for comment and input.

The SUT has been most engaged with the Parliamentary and Scientific Committee APPG (All Parties Parliamentary Group) with both in-person and online attendance at meetings. The Society also liaises with industry specific and relevant APPGs.

The Society remains uniquely placed to provide a voice from our members and industry sectors as a learned society helping to inform and educate policy makers about the challenges, issues, solutions, innovations, research, aspects and state of the art underwater technology currently available and in development for future use during the coming decades. The Society is multi-disciplined and unbiased as well with membership able to provide views from the historic to current and development of policies for the future: energy: marine renewable energy and hydro environmental science, protection, and forces, education and training for workforce development and much more.

The Policy Committee admits members by request and after review. If members are interested in joining the Policy Committee in 2024, please contact ***info@sut.org***.



Cheryl Burgess

Committee
Chair Cheryl Burgess

Defence



Nick Swift

Committee
Chair Nick Swift
Deputy Chair
Roland Rogers
Captain Ryan Ramsey
Terry Sloane
Keith Broughton
Matthew Gleed
Ioseba Tena
Alan Noble
David Maclean
Ian Danbury

This year's activities are summarised below:

Ocean Business

The SUT facilitated a workshop at this year's Ocean Business Event. This included speakers from the end user community and industry to explore innovation within the underwater defence domain. Speakers included:

- Defence and Security Accelerator
- NATO – DIANA (Defence Innovation Accelerator for the North Atlantic)
- Navy Commercial – how SME's can engage with MOD procurement
- DASA Case Study - Sonardyne
- Engaging with Futures Lab – Futures Lab
- Exploiting MOD developed technology - Ploughshare
- Non-defence companies experience in the defence industry – Forcys and Oceaneering

Combined Naval Event

The Defence SIG presented at the Combined Naval event. The presentation explored the use commercial technologies for seabed warfare, including

- Current technology and best practice for surveillance/monitoring of UW critical national infrastructure
- Emerging threats - asymmetric UWW and state players
- Current state of UxV/autonomous operations in commercial operations that meet requirements for seabed monitoring and future trends

Martine Robotics Innovation Centre – Defence SIG Seminar Series Presentation

The presentation explored the current technical and innovative drivers, including AI, Machine Learning an autonomy and how these are being applied to the defence underwater domain

UKNEST Sonar Niche Skills Event

The SUT Defence SIG facilitated the involvement of two SUT companies in the UKNEST Sonar Niche Skills workshop. This workshop considered what skills were required within the workforce to maintain maritime security, potential skills gaps and how these could be addressed.

Underwater Defence Technology

The Defence SIG hosted the DisTch conference at this year UDT event in Rostock

Committee

We are looking for people to be involved in the Defence SIG – if you're interested in sitting on the committee, please email ***nick.swift@sut.org***

Diving and Manned Submersibles

Although the Diving and Manned Submersibles Committee had not met in the reporting period, members who had been on the committee were contacted in preparation for the re-establishment of the special interest group. This was met with an enthusiastic response and a face-to-face meeting was planned and has taken place Autumn of 2023 with plans for meetings in 2024. We're excited to restart this group and to get representatives of the diving and submersibles community back together.

If you are interested in learning more about the Diving and Manned Submersible Committee, joining, or presenting to the SIG committee please contact: ***emily.boddy@sut.org.***



Martin Sayer

Committee

Acting Chair Martin Sayer
Clerk Emily Boddy

Gavin Anthony
Cdr Alan Bax
Neil Brock
Mark Caney
Taira Caton
Mark Dunkley
Paul Evans
Oliver Firth
Alison James
Gerrard Laden
Sally Marine
Tony Marshall
Garry Momber
Don Shires
Judith Tetlow
Graham Wilson

Environmental Forces



Qingwei Ma

Committee

Chair Prof QW Ma
Secretary AN Moore

Prof T Adcock
R Addlesee
Dr R Ahilan
Prof N Barltrop
Dr WJD Bateman
Prof PW Bearman
F Beiboer
Dr M Birkinshaw
Dr E Buldakov
D Carter
Prof DM Causon
Prof JR Chaplin
Dr M Christou
RL Davies
Dr KR Drake
Prof R Eatock Taylor
AJ Fyfe
Dr R Gibson
Prof D Greaves
G Grewal

In September 2023 Prof Qingwei Ma stepped down from chairing SUTGEF after many years of service. His place was taken by Prof Thomas Adcock (University of Oxford) who stepped up from the role of secretary. Prof Shiqiang Yan (City University, London) took his place as secretary.

SUTGEF has continued its usual structure of three meetings per year rotating between City University, Imperial College, and the University of Oxford. We have instituted hybrid meetings which have proved popular with a strong online presence—this has boosted numbers attending meetings and allowed a more geographically spread audience—including participants from Australia.

The meetings in the last year have had the following speakers:

September (123rd meeting): Dr Mark McAllister (Oxford) and Prof Zhiqiang Hu (Newcastle)

January (124th meeting): Dr Marinos Manolesos (City University, London) and Dr Zhihua Xie (Cardiff University)

May (125th meeting): Dr Stephen Gray (HR Wallingford) and Dr Wenhua Zhao (University of Western Australia)

We plan to continue the structure of meetings going forward aiming for one speaker from industry and one from academia.

Dr J Hamilton
Dr G Jeans
M Johnson
I Leggett
Dr A Raby
Dr R Sheikh
Dr E Spentza
Dr J Spinneken
R Sproson
Dr R Standing
Prof P Stansby
Prof C Swan
Prof P Taylor
Dr P Tromans
T van den Bremer
A Watson
W Tan
R Webb
Dr G Weymouth
Dr J Zang

Marine Environmental Science

The MES SIG has held meetings every quarter over the last 12 months, two of which have been hybrid events (Southampton (Ocean Business) and London (October 2022 ERM offices)). We are having another hybrid event in December in London which hopefully will also include dinner! We have welcomed a number of speakers, both external and members, to our meetings covering topics including:

- Strategic compensation – consenting and environmental issues within the offshore wind sector,
- Impacts of the energy transition on the marine environment,
- Integrating geospatial products from the global Automatic Identification System (AIS) into Project Planning & Reporting,
- An introduction into marinecrete (low carbon, plastic free concrete),
- Seabed 2023: mapping the ocean for the benefit of all,
- Deep sea tourism,
- Mersey tidal power project,

During the year we have begun to discuss producing Environmental Survey Guidelines, a follow on the well regarded OSIG guidelines. An initial workshop was help at the in-person meeting at Ocean Business in April, but subsequent progress has been slow. The Committee aim to reinvigorate this concept over the next six months.

Looking forward to the next 12 months we will continue to hold meetings every quarter, with the aim of at least every other of these events being hybrid. Where possible we will coincide meetings with industry events that members are already attending. There is very much still a fall back of holding only virtual events, but as the Chair of the SIG I would like to see more members attend in person in future (repeating a message from last year's report) so that we can really explore the networking that being a member of a SIG gives you. It was great that for the last meeting another member joined me in person, for the virtual meeting.

We are continuing to grow our membership with new people attending every meeting. Targets though are still to encourage regulators and operators to join us and of course to keep the new attendees! I am hoping that as some members are now ex. operators/regulators we may be able to encourage a wider network to join the SIG.



Katie Cross

Chair Katie Cross
Secretary Lucy Shuff
Events Secretary Nathan Formosa

Ainslie Casson
Andy Matkin
Bethan Owens
Becky Hitchin
Cemlyn Barlow
Claire Hinton
Clara Johnston
Daisy Chamberlain
Deborah Morgan
Edward Wort
Elena Rainey
Emily Boddy
Gary Nicol
Gillian Allen
Gorka Aguirre Giandinoto
Ian Wilson
Inge Smith
James Harding
Marja Aberson
Michael Thompson
Mick Cook
Muhammad Ullah
Nicola Harris
Rhiannon Alger
Ryan Mowat
Sam Strutton
Samuel Stanton

Marine Renewable Energies



John Sharp

Committee
Chair Prof J Sharp
Clerk E Boddy

D Ayling
D Brookes
S Cheeseman
J Colby
P Davies
P Fraenkel
S George
J Grant
J Griffiths
A Harrison
J Hulm
G James
S Johnson
D Kerr
R Lesemann
Dr S Merry
N Morgan
M Murphy
Dr R Norman
J Patten MBE
G Plant
T Sawyer
A Smith
T Van Der Kammen
L Warren
S Wilson
M Wright

The Committee has continued with its usual meetings online with higher attendance due to the need not to travel to London. There has been a speaker at each meeting which has included presentations on an overview of the consenting and licensing for offshore energy projects and the ScotMer Fish and Fisheries Work , Floating wind, (Sam Strivens, The Carbon Trust), the Marine Energy Council and floating solar (Sue Barr), Floating Power Plant (Chris McConville). Virtual attendance at these presentations is now offered to members of other SUT technical groups and has been well received. If you would like to be notified of future speakers, please let us know

During the year we have continued to work with the US MREC, with representatives from each committee contributing to the meetings.

Floating wind is now an active part of the committee's portfolio and is discussed at each meeting, with a well-attended presentation from The Carbon Trust at the January meeting.

During the year the committee has responded to one government consultation which was concerned with non-price factors in CfD auctions. The Committee concluded that in principle the introduction of Non-Price factors would seem to be attractive as it moves towards a concept of "value" rather than just simple price.

The committee reviewed its annual plan at the beginning of the year and highlighted some areas where little progress had been made. This included the need to review the careers part of the SUT website on marine renewables which was recognised to be out of date and not reflecting the rapid progress that has been made in this field in recent years. This is now in hand with a draft ready for implementation. It was also agreed to encourage podcasts on marine energy items and David Kerr presented a useful contribution on tidal range energy during the year.

The Lennard-Senior Memorial Prize for 2023 was presented at the All-Energy event in Glasgow in May. The winner was Norma Hogan, Senior Development Manager at the Highlands & Islands Enterprise. MREC continues to take an active role in All-Energy, this year. MREC member Simon Cheeseman of the ORE Catapult devised an excellent programme covering tidal and wave and looking at consenting challenges for those combined with floating offshore wind.

Offshore Site Investigation and Geotechnics

The past twelve months have been busy and successful for the OSIG committee. The key highlights of the past year are summarised below.



Neil Morgan

Events and short courses for industry and students

A two-day short course was held in Southampton and was a sell-out with a lengthy waiting list. The feedback from attendees was very positive and we are hoping to run another short course in Spring 2024.

Other events and short courses have been run throughout the year.

OSIG Conference

The 9th International OSIG Conference was originally due to take place in September 2022 but was delayed due to the pandemic. The decision to hold the conference a year later in September 2023 was taken early in the extensive planning process, which started in 2019. The conference was held in London in September and was a sell out with 600 people attending. This only goes to reflect the energy transition and rapid expansion of offshore renewables which is leading to big changes in the geoscience industry with new technical challenges as a result. Three days of presentations were held including a number of keynote lectures that have been recorded and are available online. Another highlight was the conference dinner held in the natural history museum and the after dinner speech from Tor Inge Tjelta. The detailed effort of conference planning, led by Toby Powell with support from many others, paid off as the conference ran almost exactly to plan





Committee

Chair Neil Morgan
Secretary Tim Carrington

Jacqui Adams
Peter Allan
Chris Almond
Ricardo Argiolas
Jon Arthur
Paul Baggaley
Mike Baker
Andy Barwise
Andrew Benson
Emily Boddy
Scott Boyce
Michael Brown

Nigel Carey
Eric Cauquil
David Colliard
William Cleverly
Mick Cook
David Coursey
Michael Cowie
Karen Dalton
Andrew Deeks
Justin Dix
Phil Durrant
Jim Edmunds
Phil Edwards
Mark Finch
Ian Finnie
Scott Gooding
Chris Golightly
Kevin Hampson
Aime Harrison
Majid Hesar
Ray Hobbs
Dei Huws
A Ivanovic
Richard Jardine
Suzanne Lacasse
Thomas Langford
Peter Larkin
Vincent Latron
Mark Lawrence
Dafydd Lloyd-Jones
Tom Lunne
Alisdair MaConochie
Chris Martin
Alice Maynard
Rich Metters
Neil Morgan
Simon Oakley
Richard Orren
Julian Osborne
Miguel Pacheco-Andrade
John Powell
Toby Powell
Oyvind Ruden
David Rushton
Rupert Rowland
Richard Salisbury
Roi Santos
Alex Searle
Felix Schroeder
David White
Phil Wilson
Gareth Wood
Paul West
Anna Wolowicz-Trouwborst
Guangquan Xu

Offshore Site Investigation and Geotechnics

contd.





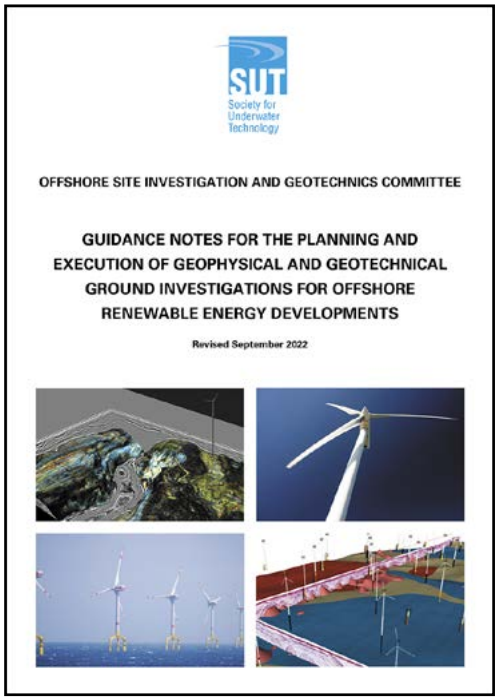


and timing was near perfect. Due to the delay of the conference to 2023 we are now launching into the planning of the next conference in 2027!

Guidance notes and standards

The final version of, 'Guidance notes for Geophysical and Geotechnical Ground Investigations for Offshore Renewable Energy Developments' that was published in 2014 has been updated and was finally published early 2023. A launch event was held in London and we are hoping to run more online webinar sessions discussing the guidance notes. Click on the image below to get your copy of the Guidance Notes.

The OSIG committee has continued to work hard on the short courses and guidance notes. We continue with a hybrid mix of online and in-person meetings and have active plans for the next year. We are aiming as a committee to put more expert consensus opinions out to the industry for use in practice.



Salvage and Decommissioning



Karen Seath



Moya Crawford

The ISDC has had another constructive year, but was disappointed to see that OSPAR has not shifted its position on the post-production life of oil and gas infrastructure; maintaining it should be removed, despite the depletion of the global CO2 used up in dismantling and removal, of what otherwise might be engineered into an artificial reef. Nature restoration presents a compelling case for the investment of taxpayers' funds; and there are a wide range of prevention and/or mitigation projects (most notably the establishment of tertiary sewage systems and the removal of environmental persistent pharmaceutical pollutants and illegal drugs and releasing partially-processed sewage in storm drains in flood conditions) that where they could be better directed than by removing retired those parts of offshore infrastructure that do not pose a navigational hazard, and which, if left in situ would continue to offer a hard substrate for such species as the cold water coral, Lophelia pertusa, as well as releasing iron micro-nutrients as they corrode, which attract bacteria as the foundation of complex ecosystems – just like many wrecks…

After ten years of holding its Salvage, Wreck Removal & Decommissioning Workshop at the Annual Marine Alliance for Science & Technology Workshop in Glasgow, in the ISDC decided to re-organize itself, in order to increase our focus on how fitness for purpose (design) and fitness for service (operation and maintenance), respectively, can be better aligned with Nature restoration, through the minimization of ecosystems impact. There is also acknowledgement that strategic direction is required with respect to what might be better described as 'blue-washing', instead of 'green-washing' and the Environmental Societal and Governance reporting of particularly large Public Limited Companies (PLCs). After the highly successful Sustainable, Responsible, Impact+ Investment+ workshop, as an experiment in 2022; a decision has been made to re-invigorate the Salvage & Emergency Response Committee in London (adding 'Shipping to increase its breadth). This will increase to work closely with the London City branch, to make most of the close relationship between assurance, insurance, legal and finance that exists in this global centre; and plans are in train to create a standalone event with the at Panmure House in Edinburgh, the mission of which is to provide world-influencing debate and research to effect positive change.

After seven years, Karen Seath is stepping down as Chair, ably supported by Andy Matkin of Fugro as Deputy. Dr Abigail Davies is taking over the role and steer, with the remit of taking a wider view of Anthropogenic Activity and Ecosystems Impact, whilst continuing to address sectorial fragmentation and conflicting standards, by focussing on the delivery of function. I take this opportunity on behalf of all who have worked with Karen to thank her for her dedication, enthusiasm and relentless hard work.

Committee

Chair Moya Crawford
Chair Karen Seath
SUT CEO Cheryl Burgess
Coordinator Abigail Davies

Vidar Åhjem
Eliana Mercy Araujo
Felicity Arthur
John Baxter
Alison Brand
Simon Burney
Kevin Campbell
Sarah Canning
Andrew Chamberlain
Nick Donnelly
Arnstein Eknes
Jim Elliott
Mike Elliot
Kate Gormley
Lee Hanlon
Becky Hitchin
Hannah Hood
Mark James
Nigel James

Tony Laing
Mark Lawrence
Hannah Lawson
Andy Liddell
Andy Matkin
Thomas Miller
Joel Mills
Peter Oliver
Kilian Palop
David Paterson
Bill Ritchie
Murray Roberts
Sally Rouse
Erin Sherratt
Mark Shields
Dan Stewart
Simon Swallow
Win Thornton
Tom Walters
Martin Watts

International Underwater Vehicles and Robotics Group



Neil Bose



Mario Brito



Bo Thanyamanta

Committee

Chair Neil Bose
Co-Chair Mario Brito
Secretary Bo Thanyamanta
SUT CEO Cheryl Burgess

Luke Alden
Brian Claus
Nathan Ehrenholz
Shuangshuang Fan
Alex Forrest
Gwyn Griffiths
David Hopkin
Alex Johnson
Chris Kaminski
Bill Kirkwood
Florie Mancel
Richard Mills
Alex Phillips
Supun Randeni
Rolly Rogers
João Sousa
Ivan Stenius
Maxine von Eye
Anna Wahlin
Bungy Williams
Jingjing Xu
Wen Xu
Yanwu Zhang
Fumin Zhang
Ting Zou
Mingxi Zhou

The SUT/ECOR Panel on Underwater Robotics has international membership and online communication. A virtual meeting is planned towards the end of 2023 and a face-to-face meeting will be planned during the IEEE OES AUV 2024 in Massachussetts.

A recommendation for the third Gwyn Griffiths Underwater Robotics Award (GGURA) will be made to the SUT Council once full applications are received. This award aims to recognize people in the early to mid-stages of their career who have made outstanding contributions to their field in underwater robotics.

Information on AUV activities of panel members was provided to the SUT secretariat.

The panel has been working on collating pre-recorded lectures on underwater robotics topics for linking to the panel website.

Unexploded Ordnance (UXO)

At the time of writing this report the UXO SIG has now been functioning for more than 18 months. The primary purpose of the SIG is still as it was when first set up: to identify and to address marine UXO issues within the burgeoning offshore wind and to seek to provide guidance and education to practitioners.

Throughout its existence, membership has been confined to offshore windfarm developers and representation has expanded to include some 19 organisations: Ørsted, Tennet, Shell, SSE, Vattenfall, RWE, Energinet, Equinor, Scottish Power, Amprion, TotalEnergies, EDF, BT, 50 Hertz, Atlantic Shores, Simply Blue Group, Corio Generation, Ocean Winds and Guernsey Electricity. At an appropriate point in the future, membership will be opened-up to all stakeholders.

The SIG is very much an international group including representatives from the UK, USA, Norway, Denmark, Germany, France, and The Netherlands, but we are always looking to expand our geographical reach; particularly in SE Asia.

In the early stages of the SIG, we met monthly but have subsequently reduced meetings to quarterly as the Group matures. To date, most meetings have been virtual. However, after the success of a face-face meetings for those members attending Oceanology International in early 2022 we have met virtually twice a year and held hybrid virtual/face-to-face meetings twice a year. In 2023 we held successful face-to-face meetings around Ocean Business in Southampton and the OSIG conference in London.

Meetings tend to be two hours in length and comprise two or three presentations from members or outside organisations on topics of interest to the Group. This year, topics have ranged from 'A proportional approach to UXO at sea', to 'What does ALARP mean' to 'Results of the BASTA project' to 'Mines from the 1st and 2nd World Wars' to 'UXO risk – what is the risk' etc. We also hold topics for discussion; the latest being 'the need for UXO Guidance Notes for the Offshore Industry'.

Should you have any questions about the business of the UXO SIG, please do not hesitate to contact me.



Mick Cook

Committee

Chair Mick Cook

Events Secretary
Dorthe Reng Erbs-Hansen

Andy Barwise
Kevin Clements
Eric Cauquil
Sally-Ann David
Anja Drews
Michael Hahn
Lucy Malou Henningsen
Christian Herrisson
Richard Hill
Simon Hviid
Deanne Hargrave
Benoit Jouy
Rasmus Juncher
Andrew Kirkland
Robert Koens
Matthew Le Maitre
Eoin McGregor
Julian Osborne
Dave Sharp
Frank Steinhoff
Soren Stricker Mathiasen
Wolfgang Thiessen
Annelies Vanstraelen
Helge Vosberg

Society for Underwater Technology (The)
Report and Financial Statements
for the year ended 30 June 2023

Company Number 00932590
Registered Charity 256659
Scottish Charity Number: SC043942

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Society for Underwater Technology (The)
Financial Statements for the year ended
30 June 2023

Legal and Administrative Information

The Council Members, who are the Trustees for the purpose of Charity Law, and also the Directors and Members for the purpose of Company Law, present their Report together with the Financial Statements for the year ended 30 June 2023.

President:	M Crawford
Chair and Vice President:	S John
Hon Treasurer:	N Carey
Hon Secretary:	I Knight
Chief Executive (CEO):	C A Burgess
Registered Office:	2-4 Packhorse Road, Gerrards Cross, Buckinghamshire, England. SL9 7QE
Registered Charity:	256659
Company Number:	00932590
Independent Examiner:	Nunn Hayward LLP 2-4 Packhorse Road Gerrards Cross Buckinghamshire SL9 7QE
Principal Bankers:	Barclays Bank plc and Bank of Scotland plc
Solicitors:	Gordons Partnership 22 Great James Street London WC1N 3ES

Society for Underwater Technology (The)
Chair's Report
30 June 2023

Since my last annual report, the staff and volunteers of the Society for Underwater Technology have excelled themselves in organising and producing the range of activities that have taken place over the reporting period. The Society has provided 45 events in the UK both in person and online. Naturally, that number of events also highlights the amount of hard work and commitment that it takes to produce this programme. The range of events available to members to engage and participate with the SUT and wider underwater, subsea, and marine communities demonstrates the diverse interests of the SUT and its members globally.

Regional activities, Committees and Specialist Interest Groups grow and contract over time. I am pleased to report that we are seeing and experiencing increased membership participation. We continue to encourage members to get involved, both individually and corporately, with the committees for the Society to develop, direct and deliver the SUT's programmes for the future.

Membership and strength and depth of committee members are the lifeblood of the SUT which sustains the Society. Individual membership has reduced with members retiring, leaving industry and changing roles. Corporate membership has increased. The Society would like to see growth in all categories of membership.

Finance and Accounts
The budget approved by Council for 2022-2023 was a balanced budget with achievement on surpluses from training and events regarded as cautious and deliverable. Members will find full details in the Financial Statements subsequent to this report.

The success and popularity of SUT's training courses are reflected in the Society's surplus. Our thanks go to all of those who have contributed their time and expertise to present, those companies who have hosted site visits, and members of the training committees: Aberdeen-based Subsea Awareness Course, OSIG's Introduction to Offshore Geophysics & Geotechnical Engineering Course on Offshore Wind Renewable Energy and the Offshore Wind SAC.

The Society's *Annual Report* contains reports contributions from all Special Interest Groups, Committees as well as International activity. Members are encouraged to read and review the Annual Report.

Over the last year, the SUT centre has had a presence at MASTS Glasgow; Subsea Expo, Aberdeen; All-Energy, Glasgow; the MCEDD – Deepwater Development London; Ocean Business, Southampton; Combined Naval Event, Farnborough; and PRIMaRE, Falmouth and Bath.

Educational Support Fund
The Education Support Fund (ESF) 2022 judging panel, comprising myself, Bob MacDonald, Shurthi Sivadasan (SUT+ Chair), and Cheryl Burgess (SUT CEO), was hard pressed in deciding who should have funding to support their studies.

Ultimately, funding was awarded to two Masters students: Francesca Felhberg at Bangor University and Chung-Wei (Ryan) Lin at Imperial College who both submitted outstanding applications. The quality of the applicants was so high and the scoring so close it was decided to award all applicants a year's free student membership.
I am pleased to inform the membership that during my time as Chair of the ESF, applications reflect diversity in both the students and the subjects of study the students are undertaking which manifest and relate to the interests of the SUT sectors and interest groups.

Awards
The SUT continues to recognise achievement and contribution from within membership and industry:
The Gwyn Griffiths award went to Rustom Jehangir of Blue Robotics, who I had the pleasure to meet at Ocean Business 2023.

The President's Award was made to Mensun Bound in recognition of his career achievements to, and contributions in, the field of marine archaeology; and the Falkland Maritime Heritage Trust in recognition of their dedication to preserving the rich and varied seafaring history of the Falklands and those who have been associated with them.
Norma Hogan was the recipient of the Lennard-Senior Memorial Prize. The prize is awarded in recognition of outstanding individual achievement in the field of Marine Renewable Energy. Norma works for Highlands and Islands Enterprise and has supported the Wave and Tidal sector for 15 years, working behind the scenes to support a sector that will be transformational for the UK.

The Captain Don Walsh Award for Ocean Exploration, presented jointly with MTS, was awarded to Dr Samantha Joye.

Society for Underwater Technology (The)
Chair's Report
30 June 2023

A new award, the *Mick Cook Award for Significant Contribution to Marine Site Investigation and Characterisation* was announced in May 2023; with the first award to be made in September 2023. This award will be made annually and carry prize money, certificate and an award. Our thanks to Mick for establishing this award.

The Society has pivoted in how we share knowledge with members and the knowledge members have with the widest communities including schools. We continue to also grow with SUT+'s webinar series along with their social and networking events. Content on SUT's YouTube Channel continues to grow in addition to our ever-popular podcast series. Future plans and developments include increasing events and training courses for membership engagement and outreach to our wider sector interests. The Society has to look to the future. The Council decided to examine its future, so now there is strategic working group, co-chaired by Ralph Rayner and Nick Swift, which is examining how we can ensure that the Society is well placed for the future.

Sometimes people forget that without volunteers there is no Society. So, thank you, every one of you, who give your time and your expertise to make the SUT such a successful learned society. I include all those on committees, my fellow directors/trustees who constitute the SUT Council and who also volunteer. Finally, a thank you to the SUT's hardworking and dedicated staff: Cheryl Burgess, CEO, Jane Hinton, Membership and Finance Officer, Jacqui Adams, Events and Training Manager, and Emily Boddy, Communications and Publications Officer. I thank you all.

Thank you and let's look to the future.

S John
Chair of the Council

26 October 2023

STRUCTURE, GOVERNANCE AND MANAGEMENT

The Society's governing document is the Memorandum and Articles of Association and its full name is the Society for Underwater Technology Limited. The Society is a registered company limited by guarantee and a registered charity.

Council Members and their Interests
The Members serving on the Council throughout the year were as follows:

Dr A M Atmanand	R Luff	M Stemp (appointed 6 December 2022)
N Carey	Dr J Morgan	N J Swift
A Connelly	J A I Patten	M Theobald (appointed 6 December 2022)
M Crawford	Prof R F Rayner	S Elkhatib (resigned 22 June 2023)
S John	D M Saul	T Griffiths (resigned 6 December 2022)
I Knight	T Sloane (appointed 6 December 2022)	R MacDonald (resigned 6 December 2022)

None of the Members of the Council has any financial interest in the Society that requires disclosure under the Companies Act 2006. For Related Party transactions please see notes 11 and 20.

Council Members are appointed for three years by a ballot among members of the Society (members comprising the classes of Fellow, Individual Member and Corporate Member), and are drawn from among these Members. Candidates must be proposed and seconded by any two other Members. Ballot forms must be sent to Members twenty-eight days before the election, which is by simple majority, and this shall take place seven days before the Annual General Meeting. Those elected shall hold office from the conclusion of this Annual General Meeting. At the end of three years, a Council Member may stand for re-election, but no Member of Council may serve for more than six consecutive years.

New Council Members are not provided with a formal induction pack following their election but, are briefed verbally at the first meeting.

Organisational Structure
A Board of Trustees (The Council) of up to or similar to 18 members, who meet quarterly, administer the Society. A Chief Executive (CEO), who's not a trustee, is appointed by The Council to manage the day-to-day operations of the Society.

Branches of the Society are established under the authority of Council in accordance with the Memorandum and Articles of the Society. They will have their own organising committee with elected officers.

The results of branches of the Society whereby the UK charity either has control, or the branch is not deemed to be administratively autonomous are consolidated in the Financial Statements.

Details of remuneration of key management personnel are disclosed in note 11. Remuneration levels for key management personnel and other employees are set by the Executive Committee, whose members are set out on page 1. The overall gross salary allowance as presented in the budget is then ratified by the full Council.

OBJECTIVES AND ACTIVITIES

The Society is principally engaged in the promotion of awareness in all aspects related to underwater technology. Its Mission and Strategic Vision are described as follows:

Mission
The Society for Underwater Technology (SUT) is an international body actively promoting the development, dissemination and exchange of ideas, information and technology arising from or related to the underwater environment.

Strategic Vision
To maintain and develop SUT as the foremost society worldwide focusing on underwater technology, building on a reputation for high standards in publications, conferences and training courses; having a growing membership in the UK and abroad; and having significant influence with government and industry in relevant policy areas, and encouraging people to attain suitable qualifications and enter the field of underwater technology.

Public Benefit
In keeping with the Charity Commission's key principles that there must be an identifiable benefit to the public or a section of the public, the Society has undertaken the following activities during this financial year:

- It has supported 5 undergraduate students on relevant courses at a total cost of £8,800 (2022: £10,000).

- Provided free of charge, to both members and non-members, the most highly acclaimed on-line magazine in the field of underwater technology and sub-sea engineering, entitled UT^3.

- The Society provides a free Christmas lecture programme for schools. Once again, in 2023 this has not been possible because of a lack of sponsorship in the local groups and the workload around the Society's September 2023 OSIG conference. A conference traditionally held every four years, but due to the impact of the Covid pandemic, returning to The Society's events programme after a five year break. The Society is exploring developing online lectures for schools and events with schools timed at other points in the academic year, other than at Christmas, and developing these programmes with other like-minded bodies, associations and charities.

- Provided high quality subsidised training courses for industry.

Grant Making Policy
Grants are awarded to high-quality students at either undergraduate or postgraduate (one-year taught MSc) level undertaking courses relevant to the area of interest of the Society with the aim of encouraging more entrants to the marine disciplines.

STRATEGIC REPORT

Achievements and Performance
We have referred to the guidance contained in the Charity Commission's general guidance on public benefit when reviewing our aims and objectives and in planning our future activities.

The Unrestricted Funds of the Society were increased by £36,037 after allowing for £6,240 in gains on investments and £11,420 expended for grants and awards. Please also refer to the Chair's Report.

Financial Review

Reserves Policy
Free reserves are established and reviewed to ensure that the Society retains a level of funds to meet its forward obligations and to ensure it can reasonably maintain a level of service in line with its objectives. The Council Members consider this to be approximately 50% of average annual expected expenditure.

Educational Support Fund
At events organised by the Society collections are taken-up in favour of the 'Educational Support Fund' which was a historic fund, now expended, used to pay grants to under and post graduates. All monies collected in the name of this fund during a given year are fully expended on grants made within that financial year and, therefore, there is no balance sheet reserve in this name.

Investments
There are no formal restrictions on the investments made by the Society.

Plans for Future Periods
Please refer to the Chair's Report for future plans and developments.

Principal Risks and Uncertainties
The Council Members actively review the major risks which the charity faces and confirm that they have established systems to mitigate the significant risks.

Operational Risk
These systems are being put into a more formalised structure and are designed to reduce the likelihood of the risk and to lessen the impact on the Society should those risks materialise. Key risks at present are assessed as being associated with the Society's necessary global expansion and the concomitant development of IT structures to support this. However, no reason is seen to amend further the Reserves Policy as detailed above.

Principal Risks and Uncertainties continued

Financial Risk

The Members remain cautious in terms of the Society's investment strategy and are satisfied they have taken appropriate steps to ensure that reserves are not placed at any undue risk. During the period and at the Balance Sheet date, the majority of balances held at bank were held in either current or deposit accounts with High Street banks. The make-up of fixed asset investments is given in note 14 of the Financial Statements. The majority of these investments are placed in two Charities Official Investment Funds.

Going concern

The Council Members have given due consideration to the ability of The Society to continue as a going concern.

The Society has returned a surplus of £36,037 for the financial year and at the balance sheet date the net assets of the Society are £328,826. The previous year had returned a small loss due to the loss on revaluation of the Investment portfolio and as expected, this did not recur in the current year.

The Society's core income streams have all continued to recover after the impact of the COVID19 pandemic and the trend towards on-line courses. Membership income has increased by 2.9%; Conferences and Seminars income has achieved 43.6% growth generating £122,616 of income and a £100,246 surplus for the year. In September 2023 the Society has held its 9th International OSIG Conference "Innovative Geotechnologies for Energy Transition", an in-person event. This was well attended, received significant sponsorship and the current year balance sheet has a deferred surplus of income over costs of £245,617 for this event.

We expect the upward trend on core income to continue and The Society continues to meet its minimum reserves policy of holding fifty percent of the expected next year's expenditure in reserves.

The Members are, therefore, satisfied that the going concern basis remains appropriate.

FUNDS HELD AS CUSTODIAN TRUSTEE ON BEHALF OF OTHERS

No funds are held as custodian trustee on behalf of the others.

STATEMENT OF COUNCIL MEMBERS' RESPONSIBILITIES

The Council Members are responsible for preparing the Report and the Financial Statements in accordance with applicable law and regulations.

Company Law requires the Council Members to prepare financial statements for each financial year. Under that law the Council Members have elected to prepare the financial statements in accordance with United Kingdom Generally Accepted Accounting Practice (United Kingdom Accounting Standards and applicable law). Under company law the Council Members must not approve the financial statements unless they are satisfied that they give a true and fair view of the state of affairs of the Society and of the surplus and deficit of the Society for that period. In preparing these financial statements, the Council Members are required to:

- observe the methods and principles in the Charities SORP;
- select suitable accounting policies and then apply them consistently;
- make judgements and accounting estimates that are reasonable and prudent;
- state whether applicable UK Accounting Standards have been followed, subject to any material departures disclosed and explained in the financial statements;
- prepare the financial statements on the going concern basis unless it is inappropriate to presume that the Society will continue its activities.

The Council Members are responsible for keeping adequate accounting records that are sufficient to show and explain the Society's transactions and disclose with reasonable accuracy at any time the financial position of the Society and enable them to ensure that the financial statements comply with the Companies Act 2006. They are also responsible for safeguarding the assets of the Society and hence for taking reasonable steps for the prevention and detection of fraud and other irregularities.

STATEMENT AS TO DISCLOSURE OF INFORMATION TO INDEPENDENT EXAMINER

So far as each person who was a Council Members at the date of approving this report is aware, there is no relevant information of which the Society's Independent Examiner is unaware. Additionally, each Council Member has taken all the necessary steps that they ought to have taken as a Council Member in order to make themselves aware of all relevant information and to establish that the Society's Independent Examiner is aware of that information.

This report has been prepared having taken advantage of the small companies' exemption in the Companies Act 2006.

On behalf of the Council

S John
Chair of the Council

N Carey
Honorary Treasurer

Dated: 26 October 2023

Independent Examiner's Report to the Trustees of
Society for Underwater Technology (The)
30 June 2023

I report on the accounts for the trustees on my examination of the accounts of Society for Underwater Technology for the year ended 30 June 2023 as set out on pages 9 to 23.

Responsibilities and basis of report
As the charity trustees, you are responsible for the preparation of the accounts in accordance with the Charities Act 2011 (the Act); the Charities and Trustee Investment (Scotland) Act 2005 and regulations 6 and 8 of the Charities Accounts (Scotland) Regulations 2006 (as amended).

I report in respect of my examination of the Charity's accounts carried out under section 145 of the 2011 Act and in carrying out my examination I have followed all the applicable Directions given by the Charity Commission under section 145(5)(b) of the Act.

Independent Examiner's statement
The Society's gross income exceeded £250,000 and I am qualified to undertake the examination by being a qualified member of the Association of Certified Chartered Accountants.

I have completed my examination. I confirm that no material matters have come to my attention in connection with the examination which gives me cause to believe that in any material respect:

- The accounting records were not kept in accordance with section 130 of the Act; or
- The accounts did not accord with the accounting records; or
- The accounts did not comply with the applicable requirements concerning the form and content of accounts set out in the Charities (Accounts and Reports) Regulations 2008 other than any requirement that the accounts give a true and fair view which is not a matter considered as part of an independent examination.

I have no concerns and have come across no matters in connection with the examination to which attention should be drawn in this report in order to enable a proper understanding of the accounts to be reached.

Tom Lacey FCCA
Nunn Hayward LLP
Chartered Accountants
2-4 Packhorse Road
Gerrards Cross
Buckinghamshire
SL9 7QE

Date:

Society for Underwater Technology (The)
Statement of Financial Activities
(Incorporating the Income and Expenditure Account)
For the year ended 30 June 2023

	Note	Unrestricted Funds 2023 £	Restricted Funds 2023 £	Total 2023 £	Total 2022 £
Income					
Donations and legacies	2	-	2,802	2,802	3,905
Income from charitable activities:					
Memberships, conferences and events	3	308,755	-	308,755	263,460
Income from other activities:					
Other incoming resources	5	163	-	163	1,909
Investment income	6	6,489	-	6,489	6,142
Total income		£315,407	£2,802	£318,209	£275,416
Expenditure					
Expenditure on charitable activities:					
Charitable activities	7	285,610	2,802	288,412	270,940
Total expenditure		£285,610	2,802	£288,412	£270,940
Net income before gains / (losses) on investments		29,797	-	29,797	4,476
Net gains / (losses) on investments	14.3	6,240	-	6,240	(11,501)
Net income / (expenditure)		36,037	-	36,037	(7,025)
Transfers between funds		-	-	-	-
Net Movement in Funds		36,037	- -	36,037	(7,025)
Reconciliation of funds					
Total funds brought forward		292,789	-	292,789	299,814
Total funds carried forward		328,826	-	328,826	£292,789

Net income is derived from continuing operations for the above two financial years.

All gains and losses recognised in the year are included above.

The notes on pages 11 to 21 form part of these financial statements

Society for Underwater Technology (The)
Balance Sheet
As at 30 June 2023

	Note	2023		2022	
		£	£	£	£
Fixed assets					
Tangible assets	13		1,158		1,354
Investments	14		214,106		207,866
			215,264		209,220
Current assets					
Publications stock	15	9,779		9,850	
Debtors	16	217,341		51,336	
Cash at bank and in hand		318,895		45,473	
		546,015		106,659	
Creditors: Amounts falling due within one year	17	(432,453)		(23,090)	
Net current assets			113,562		83,569
Net assets			£328,826		£ 292,789
Funds of the charity:					
Unrestricted income funds			328,826		292,789
Total charity funds			£328,826		£ 292,789

Total funds as stated above include a Fair Value Reserve of £172,341 (2022: £166,101) (see note 14.3).

The Council Members acknowledge their responsibilities for:

(a) ensuring that the company keeps accounting records which comply with Sections 386 and 387 of the Companies Act 2006; and

(b) preparing financial statements which give a true and fair view of the state of affairs of the company as at the end of each financial year and of its profit or loss for each financial year in accordance with the requirements of Sections 394 and 395 and which otherwise comply with the requirements of the Companies Act 2006 relating to financial statements so far as applicable to the company.

The company is entitled to exemption from audit under Section 477 of the Companies Act 2006 relating to small companies for the year ended 30 June 2023.

The members have not required the company to obtain an audit of its financial statements for the year ended 30 June 2023 in accordance with section 476 of the Companies Act 2006.

The financial statements have been prepared in accordance with the provisions applicable to companies subject to the small companies' regime.

Approved by the Council on 26 October 2023 and signed on its behalf by:

S John
Chair of the Council

N Carey
Honorary Treasurer

Company Number: 00932590
Registered Charity Number: 256659

The notes on pages 11 to 21 form part of these financial statements.

1. Accounting policies

Company information

Society for Underwater Technology (the charity) is a private company limited by guarantee and domiciled in England and Wales. The charity's registered numbers and registered office address can be found on page 1 of these accounts. The company does not have a fixed place of business, all employees work remotely.

The principle accounting policies adopted, judgements and key sources of estimation uncertainty in the preparation of the financial statements are as follows:

a) **Basis of preparation**

The financial statements have been prepared in accordance with the Statement of Recommended Practice: Accounting and Reporting by Charities preparing their accounts in accordance with the Financial Reporting Standard applicable in the UK and Republic of Ireland (FRS 102) issued in October 2019 and the Financial Reporting Standard applicable in the UK and Republic of Ireland (FRS 102), Charities Act 2011, Companies Act 2006, the Charities and Trustee Investment (Scotland) Act 2005 and the Charities Accounts (Scotland) Regulations 2006 (as amended) and UK Generally Accepted Practice as it applies from 1 January 2019.

Society for Underwater Technology meets the definition of a public benefit entity under FRS 102. Assets and liabilities are initially recognised at historical cost or transaction value unless otherwise stated in the relevant accounting policy note(s).

The legal and actual status of affiliated operations is periodically assessed by the charity. As a result the charity concludes that the operations in Perth (Australia), Houston (USA), Melbourne (Australia), West Africa, Rio de Janeiro (Brazil), Singapore and Beijing (China) do not qualify as subsidiaries under the Companies Acts 2006 or as branches under the guidance laid out by the Charities SORP (FRS 102). The detailed review of the constitutions and operations concluded that they are administratively autonomous and should therefore not be consolidated. The Society for Underwater Technology Norway NUF was established as a Norwegian branch of a foreign enterprise (NUF). The constitution of this operation varies from those mentioned above and it qualifies as a branch under the Charities SORP (FRS 102) as a result is treated as a subsidiary. The Society has taken advantage of the exemption from preparing group accounts as per SORP FRS102 S.24.6 Appendix 3 A.11.

The presentation currency is £ Sterling rounded to nearest £1.

The financial statements have been prepared under the historical cost convention.

b) **Preparation of the accounts on a going concern basis**

The Council Members have given due consideration to the ability of The Society to continue as a going concern.

The Society has returned a surplus of £36,037 for the financial year and at the balance sheet date the net assets of the Society are £328,826. The previous year had returned a small loss due the loss on revaluation of the Investment portfolio and as expected this did not recur in the current year.

The Society's core income streams have all continued to recover after the impact of the COVID19 pandemic and the trend towards on-line courses. Membership income has increased by 2.9%; Conferences and Seminars income has achieved 43.6% growth generating £122,616 of income and a £100,246 surplus for the year. In September 2023 the Society has held its 9th International OSIG Conference "Innovative Geotechnologies for Energy Transition", an in-person event. This was well attended, received significant sponsorship and the current year balance sheet has a deferred surplus of income over costs of £245,617 for this event.

We expect the upward trend on core income to continue and The Society continues to meet its minimum reserves policy of holding fifty percent of the expected next year's expenditure in reserves.

The Members are, therefore, satisfied that the going concern basis remains appropriate.

1. Accounting policies – cont'd

c) **Fund accounting**
The principles of fund accounting, as described in the Statement of Recommended Practice, Accounting and Reporting by Charities: the Charities SORP (FRS 102), have been applied in the preparation of these financial statements.

Funds held by the Society are either:

Unrestricted general funds
These are funds which can be used in accordance with the charitable objects at the discretion of the Trustees.

Designated general funds
The Society has designated general funds which it applies to the provision of the awards made to students. Monies that are designated by the Council Members can be moved back within the unrestricted general funds should the Council Members so decide.

Restricted funds
These funds can only be used for this purpose within the objects of the Society. The Society's restricted funds were all fully expended during the year and, therefore, there is no fund analysis relating to balance sheet values at the year end.

d) **Tangible fixed assets**
Assets are capitalised at cost when the economic benefit of ownership will spread over a number of years.

Depreciation is provided on tangible fixed assets at rates calculated to write off the cost less estimated residual value of each asset evenly over its expected useful life as follows:

Office furniture and equipment	20% reducing balance
Computer	33% straight line

e) **Publications stock**
Stock is valued at the lower of net realisable value and cost. Cost is valued on a first in first out basis.

f) **Investments**
Investments are valued at the prevailing market price as at the Balance Sheet date. Realised and unrealised gains (or losses) are reflected in the Statement of Financial Activities in the year in which they occur. No distinction is made between realised and unrealised gains in the Statement of Financial Activities as the Trustees consider that the disclosure of total gains/losses show a truer and fairer view.

g) **Debtors**
Debtors are recognised at the settlement amount due less any provisions for doubtful debts.

Prepayments are valued at the amount prepaid, calculated on a month-by-month basis.

h) **Creditors**
Creditors are recognised where the Society has a present obligation resulting from a past event that will probably result in the transfer of funds to a third party and the amount due to settle the obligation can be measured or estimated reliably. Creditors are normally recognised at their settlement amount.

i) **Voluntary income**
Voluntary income is recognised on receipt.

j) **Events Income**
Events income is included when receivable.

k) **Subscriptions**
Membership subscriptions are accounted for on a receivable basis.

1. Accounting policies – cont'd

l) **Grants Payable**
Grants payable are charged against income upon approval of the grant, in so far as the grant is payable from current resources.

m) **Expenditure**
Charitable activities represent all costs incurred by the Society in meeting its charitable objectives.

Governance costs are incurred in connection with the management and administration of the charity. These include central management and administration costs, organisational costs and costs incurred to ensure compliance with constitutional and statutory requirements.

Each natural category of costs is considered individually and allocated on a percentage basis by function.

n) **Operating Leases**
Operating lease rentals are charged to the profit and loss account as incurred.

o) **Foreign Currencies**
Assets and liabilities denominated in foreign currencies are translated at the rate of exchange ruling at the Balance Sheet date. Transactions are translated at the rate of exchange ruling at the date of the transaction. All exchange differences are reflected in the Statement of Financial Activities.

p) **Redundancy payments**
Redundancy payments due to employees for termination of employment during the year are fully recognised in the current financial year.

q) **Government grants receivable**
Government grants are recognised when there is reasonable assurance that the grant conditions will be met and that the grants will be received.

2. Income from donations and legacies

	Unrestricted Funds £	Restricted Funds £	Total 2023 £	2022 £
General donations	-	-	-	2,583
ESF Donations	-	2,802	2,802	1,322
	£-	£2,802	£2,802	£ 3,905

3. Income from charitable activities

	Note	2023	2022
Membership subscriptions	3.1	177,819	172,851
Conferences and seminars	4	122,616	85,412
Publications, journals, newsletters and educational products		8,320	5,197
		£ 308,755	£ 263,460

3.1 Membership subscriptions

	2023 £	2022 £
Corporate members	138,711	131,584
Individual members	39,108	41,267
	£ 177,819	£ 172,851

4. Conferences and seminars

	2023			2022		
	Fees	Direct Costs	Surplus/ (Deficit)	Fees	Direct Costs	Surplus/ (Deficit)
	£	£	£	£	£	£
Courses						
Offshore wind October 2021	-	-	-	6,770	400	6,370
Offshore wind March 2022	-	-	-	10,090	-	10,090
OSIG Intro to Offshore Geophysics	-	-	-	17,645	71	17,574
OSIG energy in transitions	-	-	-	18,760	9,597	9,163
OSIG Geoforum	-	-	-	3,454	2,887	567
VASC September 2021	-	-	-	12,512	-	12,512
VASC May 2022	-	-	-	8,905	-	8,905
Non-metallic composites	-	-	-	370	-	370
Subsea equipment insurance	-	-	-	641	-	641
UAE web "New Eyes in the Deep"	1,112	-	1,112	-	-	-
OSIG Course Jan 2023	29,100	267	28,833	-	-	-
UAE – Emergency Pipeline Repair Systems	2,352	851	1,501	-	-	-
Wind Course Feb 2023	8,970	-	8970	-	-	-
Qualification of New Technology	-	16	(16)	-	-	-
UAE – Decommissioning Technologies	1,650	-	1,650	-	-	-
VSAC – Wood	10,230	-	10,230	-	-	-
Defence SIG @ OB	1,400	1,480	(80)	-	-	-
SW Geoforum 6	4,800	4,163	637	-	-	-
Conferences and workshops						
All Energy	-	-	-	2,500	-	2,500
SUT/Masts Workshop	884	2,877	(1,993)	2,000	1,137	863
UAE Online conference – Developments in Umbilical Technology	1,600	-	1,600	-	-	-
Other events						
Annual General Meeting	125	1,231	(1,106)	33	1,210	(1,177)
Branch activities						
Aberdeen						
Evening Meetings	-	-	-	-	(106)	106
Breakfast Meeting	1,365	1,265	100	-	-	-
Gadgets & Widgets	-	-	-	1,348	290	1,058
A Life less ordinary	-	-	-	384	267	117
SUT @ spin	-	-	-	-	163	(163)
SSAC Sept 2022	16,600	3,321	13,279	-	-	-
SUT + Chartership	-	229	(229)	-	-	-
SUT/THSIS/IMCA Seminar	929	7	922	-	-	-
Worlds First Hydrogen Producing Offshore Wind Turbine	600	477	123	-	-	-
SAC March 2023	17,400	2,840	14,560	-	-	-
SAC May 2023	20,500	3,159	17,341	-	-	-
AGM	-	343	(343)	-	-	-
CCUS	580	396	184	-	-	-
Subsea Electrification	435	379	56	-	-	-
London						
"Something Old, Something New"	307	112	195			
SustainaVERSE @ Lloyds	-	114	(114)	-	-	-
Pub Quiz	1,133	620	513	-	-	-
Newcastle						
Nov 2022/Offshore Turbines	243	43	200	-	-	-
Feb 2023/Subsea Motor Devs						
June 2023 + Enshore visit	148	52	96	-	-	-
	153	25	128	-	-	-
	£122,616	£24,267	£98,349	£85,412	£15,916	£69,496

5. Other income

	Unrestricted Funds	Restricted Funds	Total 2023	2022
	£	£	£	£
Sundry income	163	-	163	159
VAT recoverable	-	-	-	-
Fees for services	-	-	-	-
Awards & prizes	-	-	-	1,750
	£163	£ -	£163	£ 1,909

6. Investment income

	2023	2022
	£	£
Charities Official Investment Fund		
Dividends received	6,008	6,115
NSB Investment Account		
Interest received		-
Bank interest	481	27
Interest received		
	£6,489	£ 6,142

7. Analysis of expenditure on charitable activities

	Note	Unrestricted Funds	Restricted Funds	Total 2023	2022
		£	£	£	£
Direct charitable expenditure					
Grants payable to individuals	8	8,618	2,802	11,420	12,450
Other direct charitable expenditure	9	276,992	-	276,992	258,490
		£285,610	£2,802	£288,412	£ 270,940

8. Grants payable

	Unrestricted Funds	Restricted Funds	Total 2023	2022
	£	£	£	£
Undergraduates	5,998	2,802	8,800	10,000
Postgraduates	1,200	-	1,200	-
Awards	1,420	-	1,420	2,450
	£8,618	£2,802	£11,420	£ 12,450

9. Other direct charitable expenditure

	Unrestricted Funds	Restricted Funds	Total 2023	2022
	£	£	£	£
Accountancy	8,100	-	8,100	6,451
Examiner's/Auditor's remuneration	3,150	-	3,150	3,000
Bad debts	2,240	-	2,240	-
Bank charges	3,569	-	3,569	3,266
Conferences and seminars (Note 4)	24,267	-	24,267	15,916
Publications, journals and newsletters	4,750	-	4,750	5,082
Committee expenses	-	-	-	-
Computer maintenance	10,942	-	10,942	13,391
Depreciation	1,249	-	1,249	1,568
IMAST licence fee	-	-	-	5,798
Insurance	2,202	-	2,202	1,749
Travel	8,001	-	8,001	-
Marketing and advertising	8,187	-	8,187	11,052
Postage	178	-	178	446
Professional fees	-	-	-	270
Rent, rates, light and heat	-	-	-	1,793
Staff recruitment and training	384	-	384	-
Salaries (note 11)	190,703	-	190,703	179,121
Stationery and office expenses	6,945	-	6,945	7,725
Subscriptions	410	-	410	453
Telephone	1,715	-	1,715	1,409
	£276,992	£-	£276,992	£ 258,490

10. Analysis of support and governance costs

The charity initially identifies the costs of its support functions. It then identifies those costs which relate to the governance function. The table shown overleaf details the analysis of these support and governance functions. These values are included in the costs shown in note 9.

	General Support	Governance Function	Total	Basis of apportionment
	£	£	£	£
Independent examination fee	-	3,150	3,150	Wholly attributable
Accountancy fee to IE	-	8,100	8,100	Wholly attributable
Bank charges	3,569	-	3,569	Wholly attributable
Committee expenses	-	-	-	Usage allocation
Computer maintenance	2,450	-	2,450	Allocated on time
Depreciation	375	-	375	Allocated on time
Insurance	661	-	661	Allocated on time
Postage	18	-	18	Usage allocation
Software Licences	2,776	-	2,776	Wholly attributable
Staff recruitment and training	115	-	115	Allocated on time
Salaries	57,211	-	57,211	Allocated on time
Stationery and office expenses	1,389	-	1,389	Usage allocation
Subscriptions	205	-	205	Apportioned equally
Telephone	515	-	515	Usage allocation
Marketing	4,094	-	4,094	Apportioned equally
Bad Debt	2,240	-	2,240	Wholly attributable
	£75,618	£11,250	£86,868	

Where not otherwise stated, support costs as shown above have been calculated on a pro rata basis in line with the staff salaries allocation.

11. Staff costs

	2023 £	2022 £
Staff costs:		
Wages and salaries	167,110	161,335
Social security costs	18,580	12,948
Defined contribution pensions	5,013	4,838
Other staff costs	-	-
	£190,703	£ 179,121

The average number of employees, analysed by function was:

	2023	2022
Direct charitable activities	2	2
Management and administration of the charity	2	2

The Trustees did not receive any remuneration or reimbursed expenses during the year (2022: £nil)
Total employee benefits of key management personnel amounted to £81,097 (2022: £77,274).

Employees earning more than £60,000 during the year:

	2023	2022
£70,001 - £80,000	-	1
£80,001 - £90,000	1	-

12. Taxation

The Society is a registered charity and, therefore, no tax liability arises on the results for the year to the extent that income and gains are applied to the Society's charitable objects.

13. Tangible fixed assets

	Office furniture and equipment £	Computers £	Total £
Cost			
As at 1 July 2022	4,477	45,045	49,522
Additions		1,053	1,053
Disposals	-	-	-
As at 30 June 2023	4,477	46,098	50,575
Depreciation			
As at 1 July 2022	3,777	44,391	48,168
Charge for the year			
On disposals	352	897	1,249
As at 30 June 2023	4,129	45,288	49,417
Net book value at 30 June 2023	£ 348	£ 810	£ 1,158
Net book value at 30 June 2022	£ 700	£ 654	£ 1,354

14. Fixed assets investments

14.1 Summary

		2023		2022	
		£ Cost	£ Valuation	£ Cost	£ Valuation
a)	Charities Official Investment Fund	39,659	213,750	39,659	207,510
b)	Listed investments	2,106	356	2,106	356
		£ 41,765	£214,106	£ 41,765	£ 207,866

14.2 Movements on investments

	2023 £	2022 £
Market value at 30 June 2022/2021	207,866	219,367
Transfers/Disposals	-	-
Gain/(Loss) on revaluation	6,240	(11,501)
Market value at 30 June 2023/2022	£ 214,106	£ 207,866

14.3 Reconciliation of movement in unrealised gains on investment assets

	2023 £	2022 £
Unrealised gains at 30 June 2022/2021	166,101	177,602
Realised gain on disposal		-
Unrealised gains/(losses) in year	6,240	(11,501)
Unrealised gains at 30 June 2023/2022	£ 172,341	£ 166,101

15. Publications stock

	2023 £	2022 £
Books for resale	£ 9,779	£ 9,850

16. Debtors

	2023 £	2022 £
Trade debtors	53,392	13,204
Amounts owed by group undertakings	3,252	3,252
VAT	-	6,385
Prepayments and accrued income	160,697	28,495
Other debtors	-	-
	£ 217,341	£ 51,336

17. Creditors: Amounts falling due within one year

	2023 £	2022 £
Trade creditors	4,430	2,777
Deferred income	391,550	4,507
Social Security and other taxes	23,329	956
Accruals	9,077	9,020
Other creditors	4,067	5,830
	£432,453	£23,090

17.1 Deferred income included in creditors due within one year

	2023 £	2022 £
Opening balance as at 1 July	4,507	12,829
Deferred in the year	391,550	4,507
Released in the year	(4,507)	(12,829)
Closing balance as at 30 June	£391,550	£ 4,507

Income is deferred when it has been either invoiced or received in the current financial year but relates to future periods.

18. Limited liability of members

In accordance with the Memorandum and Articles of Association, Fellows, Individual Members and Corporate Members (but not Associate Members and Student Members) are deemed to be Members of the Society within the context and as such have a limited liability of £5 per member in the event of the Society being wound up.

19. Fair value reserve

The unrealised gains table shown in note 14.3 represent the value of the Fair value reserve held within the General Fund.

20. Related party transactions

The total amount of donations received without conditions from trustees during the year was £1,286.
Key management personnel remuneration is disclosed at note 11.
There are no other disclosable related party transactions during the year.

21. Restricted funds

	Balance 30 June 2022 Restated	Incoming Resources	Movement in Fund Expenditure and Gains/(losses)	Transfers	Balance 30 June 2023
Society for Underwater Technology Educational Support Fund	-	2,802	(2,802)	-	-

The Education Support Fund was established to provide educational grants to students. The original restricted funds have all been expended. The Society continues to collect small amounts for the fund during the year at events and through the Just Giving platform. The amounts collected during the year are fully expended during the year.

22. Comparative Statement of Financial Activity

	Note	Unrestricted Funds 2022 £	Restricted Funds 2022 £	Total 2022 £	Total 2021 £
Income					
Donations and legacies	2	2,583	1,322	3,905	53,554
Income from charitable activities:					
Memberships, conferences and events	3	263,460	-	263,460	195,357
Income from other activities:					
Other incoming resources		1,909	-	1,909	63,820
Investment income	6	6,142	-	6,142	5,972
Total income		£274,094	1,322	£ 275,416	£ 318,703
Expenditure					
Expenditure on charitable activities:					
Charitable activities	7	269,618	(1,322)	270,940	315,140
Total expenditure		£269,618	-	£270,940	£315,140
Net income / (expenditure) before gains / (losses) on investments		4,476	-	4,476	3,563
Net gains / (losses) on investments	14.3	(11,501)	-	(11,501)	28,175
Net income / (expenditure)		(7,025)	-	(7,025)	31,738
Transfers between funds		-	-	-	-
Net Movement in Funds		(7,025)	-	(7,025)	31,738
Reconciliation of funds					
Total funds brought forward		299,814	-	299,814	268,076
Total funds carried forward		£ 292,789	£-	£ 292,789	£ 299,814

Society for Underwater Technology

Nunn Hayward LLP
2-4 Packhorse Road
Gerrards Cross
Buckinghamshire

24 November 2023

Dear Sirs

We confirm to the best of our knowledge and belief and having made appropriate enquiries of other Council Members and officials of the Society and the Group, the following representations given to you in connection with your independent examination of the Society's accounts for the year ended 30 June 2023.

1 We have fulfilled our responsibilities as Council Members under the Companies Act 2006 and United Kingdom Accounting Standards (United Kingdom Generally Accepted Accounting Practice) for preparing financial statements which give a true and fair view and for making accurate representations to you as the independent examiner.

2 All the accounting records have been made available to you for the purposes of your independent examination and all the transactions undertaken by the Society have been properly reflected and recorded in the accounting records. All other records and related information, including minutes of all management and Council meetings, have been made available to you and unrestricted access has been provided to persons within the entity from whom you have deemed it necessary to request information from.

3 We acknowledge our responsibility for the design and implementation of internal control systems to prevent and detect fraud. There have been no irregularities (or allegations of irregularities) involving management, employees who have a significant role in internal control, or others that could have material effect on the financial statements.

We confirm that we have undertaken a review of internal financial controls during the year.

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Registered Office: Nunn Hayward LLP, 2-4 Packhorse Road, Gerrards Cross, SL9 7QE
Company Reg No. 932590 Vat Reg No. 242 3504 95 Reg Charity No. 256659 (England and Wales) and SC043942 (Scotland)

4 The Society has no liabilities or contingent liabilities other than those disclosed in the notes to the financial statements, along with all guarantees that we have given to third parties.

5 We confirm that the stock of the Society, valued at the lower of cost and net realisable value at the year end, was £9,779. We have no plans that will result in any excess or obsolete stock.

6 There has been no event since the balance sheet date which requires disclosing or which would materially affect the amounts in the accounts, other than those already disclosed or included in the accounts. Therefore, the financial statements are free of material misstatements, including omissions.

7 The Society has had at no time during the year any arrangement, transaction or agreement to provide credit facilities (including loans, quasi-loans or credit transactions) for Council Members, nor to guarantee or provide security for such matters.

8 We confirm that all related party relationships and transactions have been appropriately accounted for and disclosed in the financial statements. We confirm that we have disclosed to you all relevant information concerning such relationships and transactions and are not aware of any other matters which require disclosure in order to comply with the requirements of Company law or accounting standards.

9 The Society has satisfactory title to all assets and there are no liens or encumbrances on the Society's assets, except for those that are disclosed in the notes of the financial statements. The Society has not contracted for any capital expenditure other than as disclosed in the financial statements.

10 Significant assumptions used by us in making accounting estimates, [including those measured at fair value], are considered reasonable.

11 We have no plans or intentions that may materially alter the carrying value or the fair value measurements or classification of assets and liabilities reflected in the financial statements.

12 We confirm that there are no laws or regulations that are central to the Society's ability to conduct its business.

13 All claims in connection with litigation that have been or are expected to be received have been considered when preparing the financial statements and these have been disclosed in accordance with the requirements of the accounting standards.

14 We confirm that, in our opinion, the Society will continue as a going concern for a period in excess of twelve months from the approval of the financial statements.

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The disclosures in note one to the accounts are an accurate reflection of our plans and the reasons for confirming the Society's ability to continue with its charitable activity.

We confirm that the Society will be able to pay outstanding invoices, bills and commitments as they fall due.

15 We confirm the specific representations made to you during the course of your independent examination:

- We confirm that with the exception of SUT Norway NUF, we do not consider that the overseas operations qualify as 'branches' as defined by the Charities Act 2011 and Statement of Recommended Practice FRS102 and therefore consolidation of their results is not required. Consolidation with SUT Norway NUF is not necessary for the 2022 financial statements due the exemptions in Appendix 3 of the Charities SORP (FRS102) (2015).
- We confirm that the £2,802 donations were received for the Educational Support Fund and are, therefore, restricted. These have been fully expended on the grants made in the year.
- We consider that there is no requirement for a bad debt provision and that trade debtors of £53,392 are recoverable.
- We confirm that the deferred income of £391,550 fairly reflects the income received in the financial year 2023 which relates to events and membership fees for the financial year 2024.
- We confirm that the undrawn balance on the Paypal account at 30 June 2023 was less than £23,000 and is all income that would have been deferred into the financial year 2024.
- We confirm that there have been no courses held by the SUT Norway in the 2023 financial year.
- We confirm that all the SUT Norway assets and liabilities have been accurately recorded in the SUT Norway accounts as at 31 December 2018 and there is no material change in values between the subsidiary reporting date and 30 June 2023.
- We confirm we consider £3,252 owing from SUT Norway to be fully recoverable.
- We confirm that in our opinion the Group is adequately insured in respect of assets and potential liabilities that may arise.
- We confirm that none of the Council Members of the Society for Underwater Technology have received any emoluments or expenses from the Group during the year under review.
- We confirm that the Society has not received donations, with or without conditions, from Council Members or other related parties other than those disclosed in note 20 of the financial statements.
- We confirm that we are not aware of any Council Member having been disqualified for any reason form acting as a trustee of a charity or a director of a company.
- We confirm that no "serious incidents" have been reported to the Charity Commission by the Council Members.

16 We understand that Nunn Hayward LLP have prepared the financial statements on behalf of the Council Members. The financial statements have been fully explained to and discussed with us. These

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Society for Underwater Technology

discussions included the schedule of accounts preparation journals shown in the attached schedule. We are of the opinion that the financial statements show a true and fair view of the results for the year and the state of affairs at 30 June 2023.

17 We confirm that the above representations are made on the basis of enquiries of management and staff with relevant knowledge and experience (and where appropriate, of inspection of supporting documentation) sufficient to satisfy ourselves that we can properly make each of the above representations to you.

18 We acknowledge our legal responsibilities regarding disclosure of information to you as independent examiners and confirm that so far as we are aware, there is no relevant information needed by you in connection with preparing your report of which you are unaware. Each Council Member has taken all the steps that he ought to have taken as a Council Member in order to make himself aware of any relevant information and to establish that you are aware of that information.

Yours faithfully

On behalf of the Council

S John
Chairman of the Council

N Carey
Honorary Treasurer

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THE SOCIETY FOR UNDERWATER TECHNOLOGY LIMITED

England & Wales - Charity number 256659

Accounts



SUT
Society for Underwater Technology

Annual Report
2021-2022

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www.sut.org

President's Foreword



President:
Moya Crawford

I am writing from Húsavik, in the north-east of Iceland, known to many as the setting for the Netflix' film, *Eurovision Song Contest: The Story of Fire Saga*. Its random mixture of Victorian 'wrinkly tin' and traditional style modern houses give the harbour huge character. There is snow on the jagged hills across the fjord and an icy chill in the air, but despite the date - 18th November - winter has not yet properly set in, despite the co-ordinates, 66.04° N, 17.34° W.

I am very conscious of this position, not least because I am reading Mensun's Bound's latest book, '*The Ship Beneath the Ice: The Discovery of Shackleton's Endurance*'. He will be speaking about finding Shackleton's *Endurance* in 3000 metres of water, under the Antarctic ice, at the SUT's Annual General Meeting in December. In a busy life, this brief spell away from home has given me the opportunity to plunge into this inspirational account. It is a nice touch to place the noon position of the icebreaker, SA Algulhas II at the end of each captivating chapter. This brings three worlds together; the expedition ship and its charter party, comprising scientists, the Falkland Maritime Heritage Trust search team with leading edge technical support from Ocean Infinity; the ill-fated *Endurance* and her crew; and that of the reader.

As he traces his journey, I soon reach a point when the Algulhas and I are sharing the same latitude, 23rd January, 2019, 66° 13.028' S, 060° 21.165' W. The beginning of each chapter summarizes its content: 'The death of Shackleton's dogs'; 'Attempt once more to reach Larsen 'ice shelf'; 'Blocked by fast moving sea ice'. This difference in our environmental conditions could not be more stark. Mensun in conditions of icebergs, ice floes and ice ridging and rafting. Me, writing in the warmth of the Explorers' Hotel on a crisp, but beautiful evening – not a piece of sea ice in sight, courtesy of the North Atlantic Drift. This is food for thought indeed and brings home to me the need to fundamentally understand the heat engine, that is the oceans' circulation system. Satellite data gives us a marvellous insight to what happens on the surface, but in terms of volumetric movement, and 'ground-truthing' coupled models with what happens in the great depths and under ice, we need to do much, much more.

As President of the SUT, this gives me huge impetus to press on and make positive change in how we interact with each other; the areas that the SUT covers – perhaps dispensing with a few old ones and bringing on some new - but most of all introducing nature in terms of bio-diversity, environment, sustainability and resilience into what to date has been the focus on the delivery of engineering function and not operational ecosystems impact.

Yes, we also have much to do in the wake of the COVID pandemic to restructure ways of working and, in particular, review the way we support members in what will remain a distributed way of working. To me, this means seeking to expand activity in the 'Provinces', as they were once quaintly called. In many areas in which the SUT does not have a branch, there is a huge amount of activity going on in science, offshore wind (fixed and floating) and defence. We must reactivate the societal element of what we do, in terms of having fun and meeting people, as well as seamlessly working across the 'quadruple helix' of community, industry, academia and government; an endeavour to which we aspire but have not yet cracked. This means renewing our efforts to be more relevant in the decision-making processes relating to the 'Blue Economy', as a whole, as a key initiative with a view to helping deliver positive local impact.

There is a lively debate within several of the SUT's special interest groups as to whether the timeline and scale of expansion being promoted by the UK and devolved governments is at all achievable. Good – we should be at the centre of such discussions, bringing in expert opinion and experience wherever relevant.

Many suggest that the 'Energy Transition' we have embarked upon is unprecedented,

President's Foreword

contd.

I would demur. We only have to look back to the rapid expansion of the UK merchant fleet, in particular, from the 1830s onwards. With the dual shift in vessel design from sail to steam, and wood to iron, design worlds, shipyards, 'supply chains' and operational and maintenance skills were all hurtled into the unknown. Yet, the maritime sector developed processes, including the commercial tools of assurance and insurance to reduce uncertainty, address risk and all importantly provide finance. Especially with the trend moving to offshore floating wind – which, like mobile offshore drilling units, are considered to be ships for insurance purposes – we have literally centuries of experience and even applicable commercial instruments available to us in the City of London, and I would genuinely like to see the presence that the SUT has there, being expanded and shared across all our branches. For the technology may and does change, but human nature with all its weaknesses and strengths remains the same. I suspect that there are few gambits that are entirely new.

It is this huge potential that makes me very positive for our future as a Learned Society. Achieving our shared ambitions will be a challenge, yes and the magnitude of the task is significant, but what Mensun's book and the survival of the Endurance both bring home is the importance of working as a team – with all its imperfections. With the body of Members we have, the talent in Council and the Branches and the dedication of permanent staff, I know that we are up to playing as significant a role in ushering in the chapter of energy transformation and storage in the Big Blue Space, as we were ushering in offshore hydrocarbon exploration, when it was at the leading edge of societal and economic development over fifty years ago. Our strengths and skills are just as relevant, but we do need to lift up our heads from an all too focussed portfolio and be more adventurous. Let's see where this rekindled spirit takes us.

Awards 2021-2022



(above) Attendees at the SUT AGM 2021 and our presentation speaker Dr Katie Cruickshanks on The Future of Ocean Biodiversity Monitoring



(left) The newly-elected officers of SUT Council, (back row L-R) Iain Knight, Sue John, Nigel Carey, (front row) Moya Crawford.

(right) Retiring SUT President Judith Patten presents the President's Award to John Howes, editor of UT2 and Underwater Robotics Magazines.

New Fellows

Steve Duffield

Simon Hems

Rex Hubbard

Lennard-Senior Prize

Awarded to Neil Kermode, Managing Director of the European Marine Energy Centre (EMEC) in Orkney, at All-Energy 2022 in recognition of outstanding individual achievement in the field of Marine Renewable Energy.

Neil won the inaugural award ten years ago in 2011 and, perhaps more than ever, deserves this accolade today. EMEC has marine renewables at its core and has extended its reach, to great effect, to encompass hydrogen and energy systems. Neil is a true champion of enabling the marine energy sector.

President's Award

Awarded at the AGM to John Howes, publisher and editor of *UT2*, and *Underwater Robotics Magazine*. *UT2* had recently reached a major milestone - 75 issues published since 2006. John Howes is a great friend of the Society, a respected journalist, publisher and expert in the field of underwater technology. The award was presented to John in recognition of the years of service he has performed with, and for the SUT, its members and the wider industry.

Captain Don Walsh Award for Ocean Exploration

Jointly awarded by SUT and MTS (the Marine Technology Society), we are pleased to announce winners Victor Vescovo and Patrick Lahey were presented with this award by Captain Don Walsh at Oi 2022 in recognition of their contribution to ocean exploration.

Gwyn Griffiths Underwater Robotics Award

Awarded to Aleksandra Tomaszek, COO and Co-Founder of Aberdeen-based 1CSI. Aleksandra's achievements, drive and business acumen make her a most worthy winner. What stands out is her strong background in offshore project engineering and management, coupled with a mind tuned to the sometimes elusive combination of technology and business innovation.

Council's Summary of Activity 2021-2022

Membership

Overall membership of SUT has held up through 2021-2022 as the continued effects of the global pandemic continued to affect people, industries, businesses, and charities, as well as the shifts from hydrocarbons to renewable energies production, potential and growth effect SUT members and sectors of activity. SUT membership numbers reflect the experience of other Learned Societies as well as Institutions and Associations around the globe with changes to industry sectors, mergers, acquisitions, growth as well as contraction. For the SUT energy transition, net zero carbon target for 2030 as well as 2050 and delivering increased renewable energy along with greater attention on the marine environment, sustainability and protection have brought new members to the SUT. New membership, corporate and individual, have come from many sectors including offshore wind, offshore site investigations and geotechnics, unexploded ordnance, defence, salvage and decommissioning, marine acoustics, robotics and sensors, hydrocarbons as well as aquaculture. The establishment of two new special interest groups on Marine Environmental Science and Unexploded Ordnance have developed new members from these sectors including new members from the offshore windfarm operators and representation from SMEs and academia.

The Council of the SUT thank everyone who has renewed their membership, the new members, and the efforts of all who have worked so hard to keep SUT going as the world has changed reducing and restricting face-to-face meetings and travel.

The Society has looked to meet these challenges with membership outreach and engagement throughout the year, growing the SUT's training courses for online delivery and potential opportunities for member participation and benefits with new events.

Webinars have become a regular offering from Branches, with the Aberdeen SUT+ becoming particularly proactive with their webinar programme. SUT+ webinars regularly attracting significant attendee numbers. In addition, media content continues to grow on SUT's YouTube Channel (*youtube.com/@SUTMedia*) that includes a 'gadgets and widgets' section and the archive of webinars.

The SUT podcast (hosted at *sut.buzzsprout.com*) has grown in grown in popularity and downloads. The podcast downloads exceeded 20,000 by the end of June 2022.

The launch of online training from the UK has established the ongoing need and interest in training from both members and non-members. The well-respected, well-known Subsea Awareness Course was relaunched as a Virtual Subsea Awareness Course (VSAC) in early 2021 ran twice in 2021 and early 2022, as did SUT's new course for Offshore Wind. In addition, the OSIG committee organised a training course which filled delegate places to capacity and created a waiting list. All of these courses will be running in 2022-2023 with new training courses in development to grow this important area of SUT activity.

The Gwyn Griffiths Award for Underwater Robotic, launched with a donation from Past-President Professor Gwyn Griffiths for a new award for technologists in the field of Marine Robotics received numerous high-quality entries in 2022.

Membership Summary

Corporate Members 146
Individual Membership 1558

Category	2022	2021
Hon. Fellows	14	14
Fellows	101	107
Full members	622	677
Students	96	128
Corporate individuals	725	691
Total	1558	1617

Table 1

Financial Summary Unrestricted Fund (£)

Category	2022	2021
Income	275,416	318,703
Expenditure	270,940	315,140
Surplus/ (deficit)	4,476	3,563
Transfers to restricted fund	-	-
Gain/(loss) on investments	(11,501)	28,175
Retained surplus/ (deficit)	(7,025)	31,738

Table 2

Council's Summary of Activity

contd.

From an impressive field of nominations, the second winner of the GGUR Award for 2022 winner was Rustom Jehangir, of Blue Robotics. For more information on Rusty and Blue Robotics: ***https://bluerobotics.com/***. Entries for this award are open for 2023 via the SUT website.

The continued efforts by the Society to attract new sectors remains. The Society are seeing new individuals joining from well-known companies and academia. The Society persist in engaging non-members (both individual and corporate), hoping that these contacts and communications will be followed by corporate memberships as well and long-term participation in membership, Branch and SIG activities.

Finance

A summary of the Society's accounts and financial statements for 2021-2022 has been included in the Annual Report. Result for the Unrestricted Fund for this year compared with that for the previous year appears on pages 2-8 and 2-9 of the report. SUT Honorary Treasurer, Nigel Carey, will present The Report and Financial Statements at the Society's AGM.

The Unrestricted Fund at 30 June 2022 amounted to £292,789 compared with an amount of £299,814 at the end of the previous year, including donations and legacies, allowing for gains on investments.

Educational Support Fund

A report for the year ending 30 June 2022 from the Educational Support Fund Management is included in this Annual Report. The financial statement regarding the Educational Support Fund appears on page 2-4 under Financial Review.

I. Knight, Honorary Secretary 27 October 2022

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Chair's Report



Sue John

In my first report as SUT Chair I have had to look backward over the last year of the Society's activities as well as to the future. COVID has changed the world, and how we work. Through the everyday use of Zoom and Teams conference calls; podcasts; webinars and virtual training courses the Society has become more engaged and globally accessible.

Facing differing COVID-related restrictions, our international affiliates (known within SUT as Branches) have been working hard to build their communities and activities. Some have been able to carry on as normal, delivering in-person training and events, while others were under severe restrictions. This has been reflected in the differing levels of activities and in collected income. Our events were also hit by the high level of uncertainty of different travel restrictions around the world. But, at last, I can report that nearly all of the SUT is back engaging with members, delivering events, activities and meeting in person.

During the 'working from home' period of COVID the UK training committee put together a set of virtual courses. These included our popular Subsea Awareness course from the UK, now available as an online training course, the creation of the new Offshore Wind Renewable Energy course and a revival of the Introduction to Offshore Geophysics and Geotechnical Engineering. These courses were well-received by the delegates from the UK and internationally. I am pleased to report that numbers of delegates for SUT training have surpassed pre-COVID numbers. These courses deliver valuable information, education and training to member and non-member workforces as well as providing income to the SUT. Course numbers also demonstrate the ongoing interest and need for training across SUT sectors and industries. My thanks to all the volunteer members who participated in the organisation, presentation and delivery of these courses.

Perth, Western Australia, held a very successful annual Golf Day with over 100 delegates in near perfect weather conditions. The Golf Day is one of many social and technical events Perth was able to run over the last year. Houston Branch were able to carry on as normal delivering social, technical and educational programme to students and members. Meanwhile, Singapore held their first technical evening in two and half years.

I am also pleased to report that all affiliates with existing educational support programmes and commitments were able to continue to deliver these through their financial Educational Support commitments.

In order to raise awareness of the Society and also further its educational aims, SUT attended Ocean Business Exhibition 2021 at Southampton. We will have a stand at this year's event in April 2023. Please come and visit if you are in Southampton.

We had a very successful Oceanology International Conference, 15-17 March 2022, at the ExCel, where the Captain Don Walsh award was presented to Victor Vescovo and Patrick Lahey. Preceding the conference Don, Victor & Patrick were the main event at the Royal Institution, London, speaking on Into the Abyss: Exploring the deepest realms of the world's oceans.

The 2022 Don Walsh Award was presented jointly with the Marine Technology Society (MTS) The award is part of a joint working agreement with MTS. This also includes the joint publication of *UT2*, & *Underwater Robotics*, and delivering the opportunity for SUT and MTS members to apply for certification on the Marine Technologist and Marine Scientist Registers under licence from IMarEST.

Chair's Report

contd.

2023 sees the Society at Ocean Business, Offshore Europe, supporting Oceanology Americas, AOG, and ADIPEC. The 9th International SUT OSIG Conference, Innovation Geotechnologies for Energy Transition will take place in London in September 2023. I hope you are able to join us at this major calendar event.

The SUT continues to focus on increasing both our corporate and individual membership. If you know of any lapsed members, please encourage them to re-join us and become involved in one of our many special interest groups.

Members of the Society are also our volunteers, all of you this last year have been the backbone of the SUT. I would like to thank the all the members of the SUT who volunteer: Executive, Council, Branches, Special Interest Groups and Committees. On behalf of the myself and The Society I would like to thank the SUT staff in the UK, US and Australia for all of your hard work keeping the Society going.

I look forward to meeting and hearing from more members in the future.

Officers and Council 2021-2022

President
Moya Crawford

Chair
Sue John

Immediate Past President
Judith Patten

Honorary Secretary
Iain Knight

Honorary Treasurer
Nigel Carey

Secretary to Council/CEO
Cheryl Burgess

Members

Dr M A Atmanand
Andrew Connelly
Steve Duffield
Sarah Elkhatib
Terry Griffiths
Martin Harley
Tricia Hill
Frank Lim
Richard Luff
Bob MacDonald
Julie Morgan
Prof Ralph Rayner
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Branch reports



Aberdeen Branch

www.sut.org/branch/aberdeen



Martin Harley

Committee
Chair Martin Harley
Vice-Chair Patrick Duggan
Treasurer
Jamie Wilson
SUT+ Chair
Shruthi Sivadasan

Jacqui Adams
Keith Anderson
Paul Benstead
Peter Blake
Phil Bremner
Martin Brown
Andrew Connelly
Sylvain Denniel
Campbell Elder
Euan Fowler
Martin Harley
Calum Hayton
Dr Ibiye Iyalla
Andy MacNamara
Jim Mann
Ekaterina Pavlovskaia
Daniele Petrone
Paul Slorach
David Warren
Graham Whitehead

First of all, I need to express my thanks to Jacqui Adams the SUT Events Manager who has been instrumental in keeping SUT activities running not only in Aberdeen but across the UK.

Also my personal thanks to Patrick Duggan of Apache, our Vice Chair and Jamie Wilson our Branch Honorary Treasurer who help steer our activities. The individuals that make up our committee and their parent companies for allowing their participation, also deserve recognition. Our Aberdeen SUT+ committee augments the regular committee and they have mounted an impressive schedule of regular monthly events.

Successfully scheduling events as the world started to turn again after the pandemic has happened only in fits and starts. Several of our flagship live events were cancelled due to the difficulty of generating a sufficient audience with people reluctant to attend in-person events; the business breakfast and schools lectures didn't take place and neither did our annual event in conjunction with IMCA and the Hydrographic Society.

2021-2022 Branch Activities

We are about to start running our in-person Subsea Awareness Courses again, with one scheduled for September 2022 and most likely Spring 2023 subsequent to that. However the virtual Subsea Awareness Courses run from London had significant Aberdeen input, though a slightly different content.

The main committee held the following live events in 2021-22:

- Gadgets and Widgets evening seminar in April 2022 was our first live, in-person event since the end of pandemic restrictions and event attendees were clearly pleased to be out and about once more, reviewing some of the new underwater tools and techniques available.
- Subsea Inspection Operations in June 2022 covered diving, inspecting through coatings and in restricted access locations and semi-autonomous navigation with machine learning.
- Subsea Inspection Operations in June 2022 covered diving, inspecting through coatings and in restricted access locations and semi-autonomous navigation with machine learning.

Aberdeen committee member Andrew Connelly continues to do sterling work on the SUT Podcast series which now runs to over 70 episodes and over 20,000 separate downloads from as far away as Panama, Omsk and Guam.

The SUT+ committee fared considerably better with online and live events in 2021 covering floating solar (August) and wave energy (November) with additional social events covering a quiz & job-seeking. They picked up again in 2022 on subsea batteries (January), acoustics (February), direct-current fibre optics (March), hydro-pneumatic storage (April), micro-habitats (May) and wind farm foundations (June) and as if that was not enough, in-between those were site visits to the National Decommissioning Centre, the RGU DART simulator and the Balmoral subsea test centre.

Australia Perth/Melbourne Branch

www.sut.org/branch/perth

With the continuation of COVID-19, the SUT Committee has implemented changes to continue to deliver its programs and core services for the duration of this outbreak as far as practicable. The financial statements for SUT Perth Branch for the year ending 30 June 2022 have been negatively impacted by the cessation of Government subsidies for COVID, and the continuation of travel bans, and limits to gatherings at facilities.

Perth Branch Committee

SUT Perth Committee members continue to provide enthusiastic, imaginative, and creative support to the branch bringing in a fresh outlook with great ideas. We would like to thank all committee members for their efforts in enabling us to reach our goals. We are indebted to the 2021 and 2022 committee groups.







Steve Duffield

Committee

Chairman Steve Duffield
Vice Chairman
Bukkie Orugun
Treasurer Leanne Geneve
Secretary Anand Jyothi

Matthew Allen
Michael Cocjin
Mark Casey
Steve Duffield
Leanne Geneve
Jagjeet Ghillen
Farjana Jahan
Anand Jyothi
Philip Manfield
Christian Marocchi
Mark Musarra
Bukkie Orugun
Brett Phillips
Anurag Saxena
Paul Upjohn

Australia Branch

contd.

We give special thanks to Steve Duffield (2021 and 2022 Perth Chair).

A modest rotation of committee members brings in fresh ideas and enthusiasm which are essential to maintaining a vibrant Society; however, it also allows us to retain a core of experience to ensure continuity of our overall vision.

Current Perth Branch Sub-Committees: (bold indicating sub-committee lead)

- Advertising: **Anand Jyothi,** Steve Duffield
- Annual Dinner: Bettina Silvert, Leanne Geneve, **Farjana Jahan**
- Branch Support: Steve Duffield, **Paul Upjohn**
- Course Review: Liam Salter, **Jagjeet Ghillen**, Anurag Saxena; Leanne Geneve; Phil Manfield; Matt Allen
- Decom / Salvage: **Christian Marocchi**, Brett Phillips; Leanne Geneve; Jagjeet Ghillen; Farjana Jahan; Alasdair Gray
- Engagement: **Leanne Geneve**, Matt Allen, Christian Marocchi, Farjana Jahan, Michael Cocjin
- Evening Technical Meeting/AGM: **Brett Phillips**, Paul Upjohn; Bukkie Orugun, Michael Cocjin, Jagjeet Ghillen; Matt Allen; Mark Musarra
- Finance: Fiona Allan, Anand Jyothi; **Leanne Geneve,** Steve Duffield, Bukkie Orugun
- Golf Day: Steve Duffield, Scott McMaster, **Brett Phillips**
- HSE: Steve Duffield; Bukkie Orugun; Brett Philips
- Immerse 2025: Paul Upjohn, Steve Duffield; Leanne Geneve; Brett Phillips
- Membership: Steve Duffield, Bettina Silvert
- Mentoring: **Matt Allen;** Michael Cocjin; Christian Marocchi
- Scholarships: Liam Salter; **Nick McNaughton**, Julie Morgan
- Subsea Controls Down Under 2022 Conference: Mark Casey, **Paul Upjohn**, Harry Mackay, Harvey Smith, Norman O'Rourke, Michael Cojin, Julien Levadoux, Ross Hendricks, Minh Vo, Ned Chapman, Derek Thompson
- Subsea Engineering Competency Framework: Mark Casey, Afton Galbraith, Terry Griffiths, Rex **Hubbard**, Chris Merrick, Julie Morgan, Gabriel Pennock, Ewan Rowell, Chris Saunders, Norman O'Rourke, Ian Wilson; Senthen Mani; Trent Broadway
- SUT International Committee: Steve Duffield; Terry Griffiths; Julie Morgan
- Curtin Uni Industry Advisory Committee – Christian Marocchi
- WA Societies: Bukkie Orugun; Bettina Silvert; Matt Allen
- SUT Council Steve Duffield; Terry Griffiths; Julie Morgan

SUT Perth Branch Events

The Perth committee and staff were quite busy during the year. In Western Australia access to face-to-face opportunities came much earlier than elsewhere, and we were able to advantage.

The following events were held during the year:

- 5 x Evening Technical Meetings
- 5 x Courses (in person)
- 4 x YES! events
- 5 x OSIGp events
- 1 x AGM
- 3 x Social events (Casual Catchup, Annual Dinner & Golf Day)

Australia Branch

contd.

Of special note were the activities of the Special Interest Groups, YES! and OSIG. They were able to keep a full annual agenda.

Staff were magnificent in ensuring our events complied with the many government requirements that changed regularly.

Our 2021 Annual Dinner was held at the prestigious Ritz Carlton with 212 people attending. Wood and Subsea Engineering Associates were the event sponsors, and we thank them for their continued support throughout a challenging year.





Conferences

With COVID travel restrictions *etc.* all conferences were delayed to future years. The AOG (Australian Oil & Gas) Conference and Exhibition normally held in March was also cancelled.

Courses

The following training courses were run in the 2021/22 year:

- 2 x Subsea Awareness Course – in person Oct '21 and May '22
- 1 x Flexi Risers Couse - Nov '21
- 2 x Materials and Corrosion – in person July '21 and June '22







Evening Technical Meetings

The following technical meetings were held:

- **August 2021 ETM: Defence and Autonomous Systems**
  Speakers: Norman Ballard, Scott, Hamid Yeganeh, Bernie Phelps,
  Sponsored by Blue Zone Group
- **October 21 ETM: Innovative Subsea Applications and Technology**
  Federico Noera, Olivier Royet, Adam Czajko,
  Sponsored by: DNV and Petrovalves

Australia Branch

contd.

- **February 22 ETM: Offshore Hub UWA - Advances in Floating Vessel Response Predictions**
  Ian Milne & Matt Zed, Wenhua Zhao & Ian Milne (UWA), Hugh Wolgamot (UWA) & Yuriy Drobyshevski
  Sponsored by: UWA (TIDE)
- **April 22 ETM: Decommissioning**
  Chris Wilson, Dianne McLean, Michael Lewis
  Sponsored by Woodside
- **June 22 ETM: Proposed Marine Growth Issues**
  Harvey Smith, Brett Phillips & Mark De Castro, Peter Maidment

The SUT Perth Committee is, as always, grateful to all presenters and ETM chairpersons for their generous time and efforts in making our Evening Technical Meetings such a success, and for those generous corporate members who support the evenings with their sponsorship.





Golf Day – September 2021

For our annual golf day, the SUT once again teamed up with the Society for Petroleum Engineers for a collaborative golf day. After the success of last year's event we remained at Maylands Peninsula Golf Course and a fantastic day of golfing and networking was had by all that attended.

Capacity was capped at 100 for the event and 22 teams battled it out on the course, followed by a putting competition, before enjoying post game food and drinks whilst the prizes were awarded. A great day was had by all.

We are very grateful for the sponsors who made this possible - Subsea Engineering Associates and Energy Agencies.







Australia Branch

contd.

SUT Perth Sub-Committee Updates

Branch Administration

The 2021-2022 year welcomed new staff member Kym Shephard as the Events & Marketing Coordinator on a part time basis but she left in May '22 to pursue full time work. Renae Drew went on Maternity leave for a year from Jan '22. This resulted in hiring Jade Melville as Events & Marketing Coordinator and Suzanne Thien as the Marketing and Events Assistant.

These event staff along with Fiona Allan who continued to effectively manage the branch administration, still take great pleasure in coordinating and organising all of our events, initiatives, administration, membership and accounts for the Perth branch of the Society from our West Perth location.

Branch Support

SUT Perth put together a sub-committee a few years back for committee members to assist other branches where they can. Due to COVID minimal attendance to other branches has been possible.

Branch Initiatives

During the year, Perth branch continued with the following initiatives:

- Subsea Engineering Competency Framework (21/22 SECF accreditations for seven Engineers)
- Three Scholarships offered in 2022
- ACNC approval - SUT has been registered as a charity with the Australian Charities and Not-for-profit Commission (ACNC)
- Hybrid Courses and Events can now be offered.

Branch Strategy

The committee regularly review the current Strategic Plan (2021-2025) with the Strategic objectives being:

1. Engage with Tertiary Institutions
2. Diversification of Membership
3. Be more Active in Knowledge Transfer
4. Value for Membership Money

Engagement

The strategy concentrates on continued engagement with our existing members to ensure we remain relevant whilst having a stretch target to engage two-three more organisations. The focus points include:

- Canvass existing legacy members to understand how we can grow and how they can contribute.
- Increased Operator attendance at ETMs, with a stretch to present
- Provide training to companies who are employing graduates / less experienced personnel
- Stretch to grow our regular sponsorship base and increased membership numbers
- Continued Growth in diversification of SUT Perth branch.
- Continued Synergies with ETM, Engagement and Membership Sub-committees
- Engagement with retired members/members looking for work (how can they contribute / benefit from)

The COVID pandemic continues to impact some engagement opportunities with less sponsorship available from companies.

Finance

SUT Perth Branch ran at a deficit in the 2021-2022 financial year of approximately ($AUD 46,000). This was a turnaround from the prior year surplus of $66,000. This was mainly due to:

- A decrease in Government COVID funding
- No Conferences held in the 2021/2022 financial year
- A decrease in course numbers for Subsea Awareness Course
- A cancellation of some courses due to insufficient attendees

Australia Branch

contd.

An audited Income and Expenditure Statement for the year will be forwarded to Council following the finalization of the audit in October 2022.

Marketing

Since March 2022, we've implemented a fresh new look to our branding across all of SUT-Perth's social media platforms (LinkedIn and Twitter) to engage with targeted audiences in the professional subsea field. This is also carried across to SUT's monthly eNews and all email campaigns to ensure consistency in our messaging and branding. With regular weekly postings, coupled with assistance from committee members to actively 'share' and 're-post' on our social channels, we aim to boost the number of followers, as well as the extent of our reach to other audiences in the subsea sector and to a wider audience.

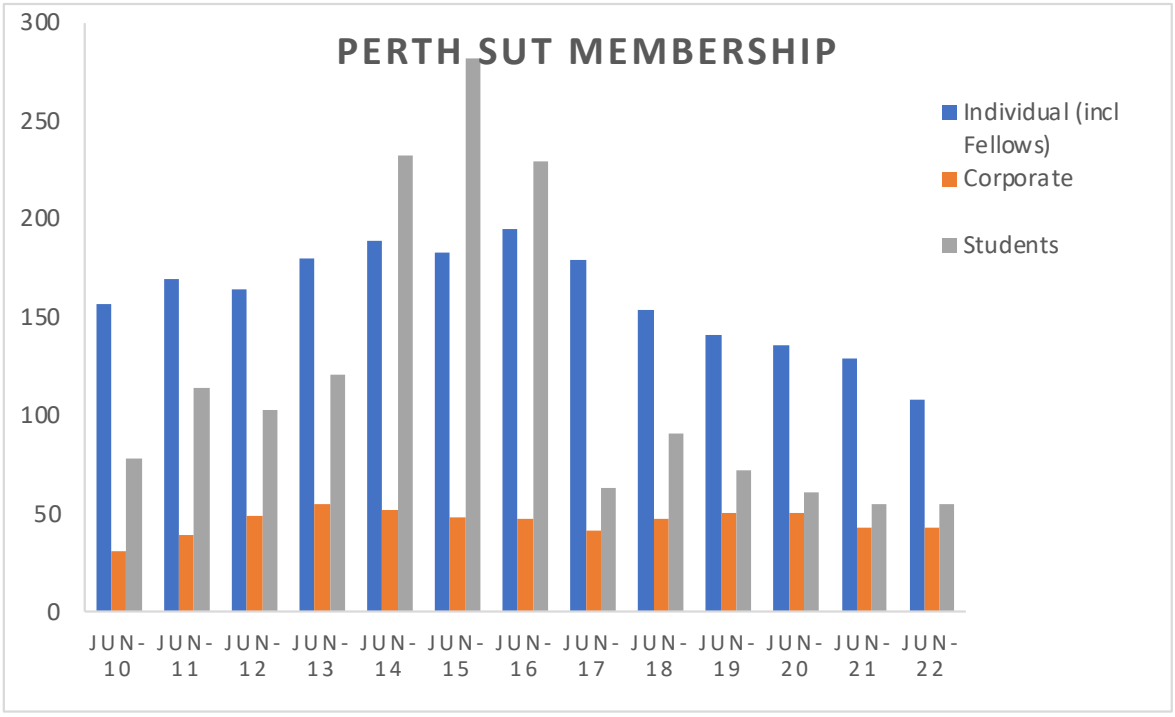
Membership (Perth and Melbourne) as at 30 June 2022:

We finished the year slightly worse than we started which would be impacted by COVID. Free hardship membership was offered (had to meet certain criteria) but few took this up.

Perth Branch Membership	**June 2022**	**June 2021**
Individuals	96	117
Fellows	12	12
Corporate - Local and Global w rep here	43	43
Students (fee paying)	55	55

Remote Members: Malaysia, New Zealand; New South Wales; Victoria, South Australia and Queensland

Membership has fallen over time. The substantial change in student membership was as a result of the introduction of fees in the 2015 / 2016 period. All new members are approved by a Membership Sub-Committee. The committee has identified some actions to seek to improve membership numbers.



Mentoring Programme (SUT-SPE-SEA-PESA-PCWA-ASEG-WISE)

Australia Branch

contd.

SUT ran the Mentoring programme for the 2020/2021 financial year with their final event being held in July 2021. It is now to be run by PESA. (The mentoring program is run in conjunction with other similar societies in Perth on a rotating basis.)

OSIG Perth Overview and Events

OSIGp stands for "Offshore Site Investigation and Geotechnics Perth", which is a special-interest group of the SUT with interests covering the area of the so-called 4G's: Geology, Geophysics, Geomatics and Geotechnical Engineering.

Established in 2012, the OSIGp Committee currently comprises 14 members from various backgrounds (primarily operators, consultants and academics).

As part of its remit, the committee actively pursues and organises technical and also non-technical activities that are of interest to its network with the committee's events in 2021-2022 including:

- Lunchtime Technical Meeting July '21 on the topic of Suction Caissons and the Influence of Drainage Regime
- OSIGp Movie Night August '21
- OSIGp Prize Evening Sept '21
- OSIGp Geoforum Nov '21
- OSIGp Recent advances in offshore geotechnics – select outputs from the OFFshore Hub at UWA May '22

The Committee is also actively collaborating with other OSIG groups based in the UK and Houston, for example in establishing technical guidance notes on various 4G-related topics. Thanks goes to all the 2021/2022 OSIGp committee members for their time, enthusiasm and hard work.



Australia Branch

contd.

Scholarship Awards

SUT Perth branch has continued with our policy of supporting students studying relevant courses in Australia and displaying a strong interest in continuing into a career or further studies in underwater disciplines. We have now awarded 71 scholarships since 2007.

This year we awarded three scholarships and are pleased at the continued and positive uptake of scholarships by the student fraternity. Scholarship recipients were:

Chris Lawlor Scholarship to the Most Outstanding Candidate: **Tahlia Bassett**
Marine Renewable Energy Scholarship sponsored by Aurora Offshore Engineering: **Jack Crawford**
A Digital Automation in Engineering Scholarship sponsored by SEA: **Paula Cartwright**



Subsea Engineering Competency Framework Project

The initiative by SUT (Perth Branch) in conjunction with industry is for Subsea Engineering to be recognised as an Area of Practice (AoP) by Engineers Australia (EA)

SUT provides the basis for technical assessment in the AoP of Subsea Engineering and supports EA with the technical assessment of submissions for recognition in the AoP of Subsea Engineering.

The benefits are a career planning tool and personal recognition as a competent subsea engineer, which is recognised in Australia and Internationally. The Launch for this programme was held in June 2021 (photos below). For 21/22, seven engineers were accredited under this programme.



YES! (Young Engineers & Scientists)

YES! was formed in 2013 to build a community of young subsea professionals, promoting collaboration and networking to ultimately drive the future of the subsea industry. The Purpose of SUT YES! Is to:

- Promote awareness of subsea industries and link in with universities
- Provide and support professional development of young professionals, students and scientists in subsea industries
- Provide opportunities for networking and informal mentoring for young professionals, students and scientists in subsea and related fields

Australia Branch

contd.

During the year the subcommittee successfully held the following events:

- YES! Networking event Sept '21
- YES! Bowls event in collaboration with SPE Nov '21
- YES! PIANC Breakfast Mar '22
- YES! Quiz Night Jun '22

In addition to events, YES! Committee members have promoted SUT membership and events at universities, supported SUT Mentoring and have a large involvement in the SUT Scholarship program.

YES! currently has two annual sponsors, Woodside and Santos. Many thanks to these generous sponsors. The YES! sub-committee members' effort and time has been immense throughout the past year and we thank them for that. The current YES! committee members are:



The Year Ahead

The Perth branch of SUT will continue with their five-year Strategy plan 2021-2025:

1. Engage with Tertiary Institutions
2. Diversification of Membership
3. Be more Active in Knowledge Transfer
4. Value for Membership Money

All of the above new activities will support the growth of the Society. In the background our committee members will continue to develop existing and new content, leads and opportunities for collaboration with other Societies and engagement with other industries with an interest in underwater technology.

The budget for 2022/2023 has been approved by the Finance Committee with a small surplus expected. The budget assumes that events can be run with minimal impact from the pandemic. The Perth Branch committee are cautious about a general market improvement over the year ahead with possible declining graduate numbers and hence a likely decline in course participants.

Sincere thanks were given to the Members, Sponsors, Presenters, Office Bearers, Committee, Sub-Committees and SUT Staff during the year.

Brazil Branch

www.sut.org/branch/brazil



Prof. Segen F. Estefen

Committee

Chair Prof SF Estefen
Secretary Prof M Vaz
Treasurer T Netto
Executive Manager
VC Santos

C Bonfim Silva
P Couto
E Labanca
E Nakagawa
C Paulo
M Teixeira

In the period July 2021 to June 2022, the activities of the SUT Brazil Branch have been based on online seminars and a panel, as described below.

I - Seminars on Offshore Renewable Energy Organized by GERO (Offshore Renewable Energy Group) in collaboration with the Programs PRH-18 and PRH07 from the National Petroleum Agency (ANP).

- Seminar 1: Offshore Renewable Energy: Status and Perspectives, 4 August 2021
  Prof. Segen Estefen – COPPE/UFRJ
  Online - Atendees: 371
- Seminar 2: Renewable Energy in the Brazilian Electricity Matrix, 25 August 2021
  Prof. Maurício Tolmasquim – COPPE/UFRJ
  Online - Attendees: 454
- Seminar 3: Renewable Energy, Environment and Climate Change,
  15 September 2021
  Prof. Emilio Lebre La Rovere – COPPE/UFRJ
  Online - Attendees: 124
- Seminar 4: Geosciences: From Renewable Energy to Health, 6 October 2021
  Prof. Luiz Landau and Prof. Luiz Paulo Assad
  Online – Attendees: 147
- Seminar 5: Hydrogen: A Turning Point for Renewables?, 27 October 2021
  Prof. Paulo Emilio Miranda – COPPE/UFRJ
  Online - Attendees: 132
- Seminar 6: Renewable Energies and Socio-Economic Impacts, 17 November 2021
  Prof. Marcelo Colomer – IE/UFRJ
  Online - Attendees: 82
- Seminar 7: Tidal Energy in Brazil, 8 December 2021
  Prof. Osvaldo Ronald Saavedra - UFMA
  Online - Attendees: 792

II - Seminars on Oil Economics and Environment Organized by ANP PRH-7 in collaboration with SPE Brazil Section

- Seminars 1 and 2: Oil Economics 1 and 5 July 2021
  Dr. Rosemarie Broker Bone – UFRJ, Dr. Natan Battisi - Harbour Energy
  Online - Attendees: 634
- Seminars 3 and 4: Environmental Impacts 6 and 7 July 2021 -
  Dr. Jacqueline Mariano - UFRJ, Dr. Cristiane Monteiro - Seabed Geosolutions
  Online - Attendees: 578

III - Panel on Professional Opportunities in the Offshore Industry Organized by ANP PRH-7

- 8 December 2021 Dr. Vanessa Guedes - TotalEnergies,
  Dr. Fernanda Zilber - Trident Energy, Dr. Aline Benjamim – Moove,
  Dr. Nayana Porto - Modec.
  Online - Attendees: 105

New Committees

Canada

Following the easing of COVID restrictions activities in the Canada Committee are slowly recovering with the committee reconvening and making plans for end of 2022 and 2023.

For members who are not tracking news in the subsea and underwater sector in Canada, I would draw your attention to the newly-sanctioned, deep-water oil and gas project being led by Equinor, a blue hydrogen project in the works on the west coast of Newfoundland that will provide CHG to Germany and a newly announced laydown yard in the port of Argentia that is designed to service the USA east coast offshore wind industry.

We are also seeing a resurgence in cold water and artic research from Memorial University $300 million dollar Core Science facility and Holyrood Marine Base.

An interesting variety of industry conferences will be taking place in Canada in 2023 including numerous Offshore Wind in multiple cities, Ocean and Polar Engineering (Ottawa), Future of the Environment (Montreal), Subsea Engineering and Applications (Montreal), Canadian Underwater Conference and Exhibition (Halifax); demonstrating the wide and diverse interests in the underwater sectors in Canada.

I would be delighted to hear from members interested in SUT activities in Canada.



Paul Ryan

Committee
Chair Paul Ryan

Eastern Mediterranean



Dan Hayes

Committee
Chair Dr Daniel Hayes
Treasurer Alexis Kadis
Marketing Enrajda Cakalli
ViceChair / Secretary
Dr Nicolas Droushiotis

John Charalambides
Matteo Alessandrini
Natalia Neocleous

SUT East Med will aim to include subject matter experts, outreach and education experts, policy and business stakeholders interested in underwater technology activities in countries bordering the Eastern Mediterranean (such as Cyprus, Greece, Italy, Malta, Egypt, Israel, Turkey, Lebanon).

Our areas of interest will be technologies of energy transition and decarbonization, offshore energy, underwater robotics and vehicles, offshore aquaculture, and the related outreach, education and training are priorities for enriching our membership and event offerings. We are interested in promoting cross-border, cross-sector sharing of knowledge and ideas on any appropriate underwater technology of interest to our members.

In the period July 2021 - June 2022, we had four online meetings with the new East Med committee, and contributed to EMCC 2021 giving presentations about the SUT. We have plans to support and be a part of more events in the Eastern Med region in the coming months and hope the new branch will gradually start to gain momentum and SUT member interest.

We hope that the work of the committee will promote marine technologies through events and connecting professionals and the industry in the region.

SUT East Med has the target to educate the new generation of marine technologies and concepts that support the process of the energy transition. We also aspire to promote cross-border across industry collaborations, sharing of knowledge and ideas.

If you are interest in getting involved with the SUT Eastern Med Committee, please contact us at *eastmed@sut.org*.

China Branch

www.sut.org/branch/china



Frank Lim

Committee

Chair Frank LIM
Chair Emeritus
DUAN Menglan
Technical Advisors
ZHOU Shouwei
ZENG Hengyi
CUI Weicheng
Secretary SUN Ting
Treasurer ZHANG Yu

AN Weizheng (*Beijing*)
BAI Xinglan (*Zhejiang*)
FENG Junkai (*Beijing*)
LIANG Xu (*Zhejiang*)
WANG Chunsheng (*Daqing*)
XIE Peng (*Guangzhou*)
YAN Jun (Dalian)
ZHANG Dagang (*Qingdao*)
ZHANG Changzhi (*Shenzhen*)
ZHENG Hao (*Changsha*)
WAN Decheng (*Shanghai*)
CHANG Yuanjiang (*Qingdao*)
YANG Zhixun (*Harbin*)
FU Guangming (*Qingdao*)

SUT China branch successfully organised the 10th International SUT (China) Technical Conference in Dalian, China, during 22-25 October 2021, in conjunction with China University of Petroleum (Beijing). The conference was hosted by Dalian University of Technology.



A total of 85 presentations were made during the conference. On October 23 2021, invited keynote presentations were given by:

- DUAN Menglan of China University of Petroleum (Beijing)
- CUI Weicheng of West Lake University
- WANG Wentao of China Agenda 21 Management Centre
- WANG Zhen of Dalian University of Technology
- FU Shixiao of Shanghai Jiaotong University
- Andrew LIPMAN of ABS Subsea and Mining Operations
- YU Xichong of CNOOC Research Institute
- SHEN Yijun of Hainan University
- Svein SAVIK of Norwegian University of Science and Technology, Norway
- WEI Jianwu of China National Petroleum Corporation
- XU Liangbin of CNOOC Research Institute
- KANG Rongyu of CNPC Offshore Engineering Co
- HU Zhiqiang of Newcastle University, UK
- Shreenaath NATARAJAN of 2H Offshore, Malaysia
- Rob MARTENS of 3D Strategies, Netherland
- Murilo VAZ of University of Rio de Janeiro, Brazil

The second day of the conference was devoted to engineers, teachers and students sharing their latest research achievements in four technical sessions.

At the Conference banquet, SUT China honored individuals who have made special contributions to the field of underwater technology and SUT in China over the past 10 years:

- Special Contribution Award - DUAN Menglan
- Technical Achievement Award - CUI Weicheng

China Branch

contd.

- Young Scientists – CHANG Yuanjiang & ZHANG Yu
- Outstanding Organizer Award - Gu Qingmei

The 2021 SUT China branch annual general meeting was held on October 24, 2022.



Future Plan

The 11th SUT (China) Technical Conference will be held in Qingdao, China, from October 28 to 31, 2022.

London & South of England Branch

www.sut.org/branch/london



Richard Binks

Committee

Chair Richard Binks
Deputy Chair
Keith Broughton
Hon Treasurer Iain Knight
Hon Secretary
Graham Taylor
Hon Sec SW Phil Johnston
SUT Events Manager
Jacqui Adams

Alex Argyros
Chris Ashcroft
Duncan Brown
Peter Hayward
Simon Hems
Joe Hulm
Brian Jones
Mazin Eltayeb
Mark Pickering
Mark Murawiecki
George Varelis
Nigel Underwood

The London & SE branch has had many successes since it was first formed. It has held many popular and distinctive events to inform and engage our members. It has also created a bridge between those involved in the technical side of the subsea industries and those working in the city (insurance, financial, legal, loss adjusting). We are indebted to our committee members (current and ex) who have supported the branch since its inception.

However, COVID and the post-COVID drag has hit us and we have not bounced back as we would have hoped (we are not the only branch to face this problem).

From the events we have held this year, such as the webinar on offshore wind and the evening at Beazley on Carbon Capture and Sequestration Strategies, it is obvious that we can attract a crowd and that there is a need for what we can provide in bringing different communities together. However, we need to be highly focused on what we want to do and be realistic in what we can achieve based on our volunteer effort.

In a recent meeting of our Exec committee, we discussed how we can reboot the branch and get back to serving our members and having fun.

We propose the following in terms of our activities:

1. As a branch we will focus on holding live events only (other parts of the SUT are already providing webinars).
2. To hold a sustainable number of evening events (four to six); these shall be a mix of traditional evening meetings with technical presentations, social events and larger events specifically targeted at the city community and the subsea industry hubs in the home counties.
3. To hold city-based lunch and learns for the city community.
4. We are supportive of training courses, but we do not have the means to plan or deliver courses at this time and will leave this to SUT HQ to arrange.
5. We will provide a positive financial return on our activities, but our priority is holding events to attract new and retain existing members.

To do this, we propose that we rationalize and focus our effort with roles shared amongst active committee members. We have polled members for support and believe that we will be able to renew the committee with active new blood, supported by the veterans. We aim to have shadows for the Exec roles in the next year so that they can take over in the year following. We will merge SUT+ back into the main committee as part of a concerted effort to attract Early Careers members to the branch and overall SUT. In recent years we have struggled to have access to regular cost effective venues for meetings but are pleased that we now have a selection of venues both independently and within client offices.

We remain positive about the future of the London and SE Branch of the SUT and hope this fresh start will allow it to continue to thrive.

Middle East Branch

www.sut.org/branch/middle-east

SUT Middle East exists to provide a voice in the Middle East, which is a growing and key subsea domain ableit shallow water. The Middle East is, in many ways, a technology follower, so our events are often built around what is happening in other parts of the world.

The branch is UAE-based, which is the hub of much regional O&G activity, attracting a global workforce from the immediate region, India, Philippines, Africa and Latin America. The manufacturing and service base has been highly UAE focused but this is changing with calls for increasing localisation in KSA at least.

The UN Decade of Ocean Science for sustainable development has now begun. This is one of our topics that needs a champion for 2023. We had an opportunity to get this started with Oceanology Internationals' first event in the Middle East in 2021, but sadly this was cancelled.

We had hoped COVID-19 related restrictions would be fully lifted by the start of 2022, but the Omnicron variant reared its ugly head, and the region remined in various states of lock-down. That affected our much-anticipated EPRS first face-to-face event in January which was postponed to April, September and finally December. At the same time, the offshore installation phases of many delayed projects exploded in Q1 and ADNOC, Aramco and Qatar Gas released a stream of high value projects. Driven by a steady increase in oil prices as the world came out of the pandemic and falling global capacity (renewable attracting investments) and then rocketing gas prices over Ukraine. The committee as such were illusive but did however manage one successful revenue-generating online event in July 2022 on USV/AUV sponsored by RT Sys and Unique.

We worked with Reed on their first Oceanology International event in the Middle East, which was cancelled before a much scaled down ADIPEC in 2021. It is face-to-face again in November this year, albeit still scaled down and no Offshore, Marine and Commercial Dive Zone. We will have a stand in the media zone but will not attempt to host the popular X-Talks, show-casing subsea technology without theatre availability.

Middle East remains a challenging domain for SUT-type activity, with its projects surge, climactic challenges, transient nature of the expatriate engineering community. Another 25% of the committee has changed jobs or left in the last year. The post-COVID bounce has kept everyone very busy, and the committee in constant flux. We proved we could run online revenue generating events in 2021/22 and now have over 1700 subsea professionals in the region with an interest in what we are doing. There are four local corporate members (Rovop, HFI, Horizon & Fugro).

We continue to draw the committee from major players in the industry; all major EPC (NPCC, Saipem, McDermott and Subsea 7) and former Aberdeen members brought a voice from ADNOC. Otherwise, the committee has representatives from Ashtead, Boskalis, DCN BV, Mermaid, Fugro, Lloyd Warwick, Dolphin Energy, Motive, Pelagian, Prysmian, Baker Hughes, Global Marine Services, Oceaneering, Horizon Geo, Unique, Dolphin Energy, Subtech (James Fisher Decom), Kent and the Tekmar Group. These companies are the subsea industry in the Middle East and all focused-on Aramco, ADNOC and QG (QatarGas) offshore activity in Saudi, UAE and Qatar. I continue to thank all for their continued energy and commitment.

Post ADIPEC we hope to return to our traditional 'face-to-face' model, including the EPRS (Emergency Pipeline Repair Systems) event at Khalifa University with a



Adrian Phillips

Committee

Chair Adrian Phillips

Dubai

Graeme Chalmers
Ed Bevan
Steve Goddard
Bob Morgan
Nawin Singh
Farnaz Ghasemi
Bedros Mardikian
Anand Menon
Ashish Rawal
Chris West
Ross Anderson
Lesya Kramarenko
Sarah Hutcheon

Abu Dhabi

Richard Richards
Bill Hickie
Russell Harper
Brad Kirkland
Spencer Clark
Tarek Al Marzouqi
John Charalambides
Iain Selkirk
Mark Thomer
Evgeniya Mitchell
Katherine Ferguson
Anthony Quick
Scott Steven
Kilian Palop
Ross MacFarlane

Middle East Branch

contd.

visit to Dolphin's facility in KIZAD in Dec 2022. Thereafter a Decommissioning event is lined up for January 2023 followed by AC/DC for offshore power and subsea survey.

We continue to be at an early stage of our development, supported by SUT HQ but we mark our fourth anniversary in region at ADIPEC.

North of England Branch

www.sut.org/branch/north-of-england

The North of England Branch meets on a bi-monthly basis. Over the last year no events were held due to COVID restrictions. Typically the branch would organise five technical sessions, seven planning sessions and a Student Event over the period.

The technical sessions in the past have been well supported with average attendance being 40 knowledgeable students and subsea practitioners. The audiences have been, without exception, enthusiastic in their questions and comments – a testament to the breadth and depth of experience and enthusiasm residing in the North of England.

The branch continues to be hosted by Newcastle University's School of Marine Science and Technology. Our aim for the coming year is to re-build the programme of events which have been so successful previously.



Vahid Walker

Committee

Chair Vahid Walker
Honorary Secretary Dr Simon Benson
Treasurer Jon Greenwood

Dr Ian Frazer
Martin Bingham
Andy Roberts
Michael van Zwanenberg
Nick Wright

Committee

This year at the AGM Martin Bingham handed over the reins of leadership to Vahid Walker, Technical Director at Walker Subsea Engineering. The role of treasurer has gone from Ian Frazer to Jon Greenwood of OSBIT.

Committee members Michael Williams, Elizabeth Waterman and Denis Vasiljev have also decided to step down from the committee.

I, and the rest of the committee would like to express our gratitude to Martin and Ian for their work as Chair and Treasurer, and to Michael, Elizabeth and Denis for their service.

Finances

The North of England Branch finances are reported through the Aberdeen Branch P&L account. Our activities have been funded by membership fees and branch sponsorship received from local companies throughout the year.

With this climate in mind, the contribution from our local sponsors is particularly acknowledged; Baker Hughes, a GE Company, IHC Engineering Business, MODUS Seabed Intervention, Newcastle University, OSBIT, PDL Solutions, Soil Machine Dynamics, TechnipFMC and RED Engineering.

Future Plans

This year the aim is to reinvigorate the branch. We plan to:

- Hold a series of evening meetings featuring challenging talks and topics
- Find new committee members
- Introduce new SUT corporate members
- Re-start SUT+ North East
- Continued collaboration with other local societies to further the cross-pollination of ideas and technologies along with some joint events.

The branch will exist to enthuse those already in the industry, inspire others to join it and spread the word to a younger generation about the opportunities and excitement of the sector.

Norway Branch

www.sut.org/branch/norway



Nils Vågen

Committee

Chair Nils Vågen
Manager Tom Erikson

O Hagesaether
GA Johansen
RD Skre
I Westervik

During this reporting period, the Norway Branch, based in Bergen, has finally been able to adjust to more 'normal' times since the pandemic.

After working closely with GCE Ocean Technology, co-hosts of the UTC conference, in 2021, we continue this relationship and have been planning an SUT Subsea Awareness Course for Autumn 2022. We hope the momentum for Norway-based events keeps up and will plan for another SUT Subsea Awareness Course in Spring 2023. Thank you to the committee members for their hard work in getting the branch and training courses back on track.

Singapore Branch

www.sut.org/branch/singapore

In accordance with the Society's Singapore Branch Constitution, the main objectives of the society are to:

- Promote the further understanding of the underwater environment;
- Encourage cross–fertilization and dissemination of ideas, experience and information between workers in academic research, applied research and technology, industry and government;
- Encourage development of techniques and tools to explore, study and exploit the oceans;
- Encourage proper economic and sociological usage of resources in and beneath the oceans;
- Encourage further education of scientists and technologists to maintain high standards in marine science and technology.

These objectives are achieved by organizing regular industry events we term "Technical Evenings" that provide a platform for subsea technology speakers and also the opportunity for industry networking of members and non-members.

Due to the continued global COVID-19 pandemic this year as all public gatherings were not permitted and then became permitted but with a lot of restrictions in Singapore. However, in accordance with Singapore Government social distancing measures, planned physical activities for 2021/2022 were postponed until such time where we could gather again in groups.

Activities Report

The AGM was held on the 5th December 2021. In addition, for 2022 there was a committee meeting held on 31st March 2022.

The objective of the committee meetings is to discuss, organize and action the activities of the Society.

The committee had decided to start the new program of events slowly, with a Technical session to be held on 29th September 2022, followed by an end of year social event on 17th Nov 2022. The schedule for the Technical seminar is as follows:

- Jeremy Colombel, Technical Sales Manager APAC. SBG Systems - GNSS / INS post processing for hydrography: Qinertia software.
- Petter Nilson, Managing Director, Asia Offshore Solutions – Case Study – Ballast tank inspection using micro ROV.
- Thom Payne, Head of Offshore Energy Services, Westwood Energy – APAC Energy Market Update

Looking ahead, it seems that Singapore is now releasing the restrictions which allows us to refocus and implement a full program of events for 2023.

Branch Committee Members

Wendy Lee has resigned as Treasurer with immediate effect due to relocation. We will therefore be calling an additional committee meting in Q4 to address this, together with any other committee issues.



James Christie

Committee

Chair James Christie
Vice Chair Colin Campbell
Secretary Andrew Blears

Xiang Liu
Che Keong Lee
Mark Colbridge
Andy Ching
Phillip Thomas
Derrick Chow
Petter Nilsen
Derek Donaldson
Anthony Gleeson

Singapore Branch

contd.

SUT Technical Evening and Networking









US Branch

www.sut.org/branch/houston

SUT-US is governed by an Executive Committee and includes six technical committees; Offshore Site Investigation and Geotechnics (OSIG), Subsea Engineering and Operations Atlantic (SEO Atlantic), Group on Environmental Forces (GEFUS), Robotics & Automation (R&A), and Marine Renewable Energy Committee (MREC); by three non-technical committees, the Young Professionals, Education, and Women in Industry Committees; and by five students chapters, Texas A&M University (SUT-TAMU), the University of Houston (SUT-SES-UH), the Texas A&M University – Galveston (SUT-TAMUG), Rice University (SUT-RICE). All are active groups that meet regularly, and which have active memberships.

Notable efforts:

- The SUT-US branch has finally achieved 501(c)3 status meaning we are a tax-free charitable organization.
- SUT-US will be holding the 2nd Online Engineering Competition for 1) college students competing with other college student, graduate, and undergraduate students; 2) young professionals with 0 to 3 years of professional experience, and 3) 4-10 year experience professionals in a shark tank, bring your own problem competition. Cash prizes. Running from August 22nd till November 11th.

  Featuring the contest topics -
  Subsea O&G Wells
  Submarine Underwater Rescue in Shallow Water
  Underwater Thermal Garments
  Bring your Own Problem - "BYOP Shark Tank"
  Underwater Service Robots
- SUT-US continues to hold in-person Networking Events on the first Thursday of the month.
- We held our first in person Subsea Awareness Course in Houston, Texas September 12-15th 2022, with ten registrations from ExxonMobil, Bp, Shell, and others.

SUT-US staff is comprised by Mrs. Patsy Rhymes who assumes the coordination of in-person events; Cas Benge who is responsible for the coordination of online events and overall communications for the Branch. Audrey Guzman works as a Supporting Editor and as an accounting assistant.

Below is a summary of the key activities held at the SUT-US branch for the period of 1 July 2021 – 30 June 2022.

Networking Events & Other

- Networking Event – October 7, 2021
- Networking Event – February 10th, 2021
- Networking Event – April 7th, 2022
- Networking Event –May 5th, 2022
- Networking Event – June 2nd, 2022
- Online Events



Tricia Hill

Committee

Chair & President
Tricia Hill
Treasurer and Training Officer Dr. Rodolfo Sancio
Secretary
Dr. Xiaoyan Long

Members at Large
Kim Faulk (WIND)
John Allen (Education)
Sandra Jaki
Rodolfo Sancio
Roger Osborne
Steven Johnson (MREC)
Zenon Medina-Cetina
Maria Ancheril
Colin Johnston
Jan van Smirren (GEF)
Sam Guo
Jon Halliburton
Alison Toth

US Branch

contd.






AGM

SUT US' Annual General Meeting was held on December 10th, 2021.

Elected Branch Leadership



Tricia Hill, SUT-US Chair and President

Tricia Hill is a Georgia Tech graduate with a Bachelors of Mechanical Engineering degree. Tricia has been in the offshore oil and gas industry for almost 25 years with substantial experience in flexible pipe design, analysis, testing, manufacturing, and commercial operations. In 2021, Tricia joined NOV Fiberglass Systems where she is Sales Director for the Marine and Offshore markets. Tricia has been a member of the Society of Underwater

US Branch

contd.

Technology since 2015, a Fellow member since 2019, and President and Chair of the US branch starting in 2021. With her leadership, SUT-US started a mentorship program, launched the 1st on-line engineering competition for college students and young professionals, and developed the Women in Industry special interest group.

After 20 years of service from Jan van Smirren and Don Schlater, we now have a new Secretary and Treasurer: Dr. Xiaoyan Long and Dr. Rodolfo Sancio.



Dr. Xiaoyan Long
Secretary



Dr. Rodolfo Sancio
Treasurer

OSIG-US Committee

OSIG-US is comprised of the following subcommittees: Short Courses and Learning Seminars and Webinars. The committee is comprised of 38 active Full and Associate members. The Officers are Andrew Hill (Chairperson) and Logan Brant (Secretary).

OSIG-US's activities for the 2021/2022-year have included mainly webinars as listed below:

Completed Learning Webinars:

- September 9, 2021 – Seabed Mobility, Scour and Seabed Disturbance for US Offshore Wind Development by Nina Stark, Joe Tom, John Harris, David McLaurin and Sarah Courbis | Webinar attendees: 67
- October 20, 2021 – Integrated Jack-up Rig Foundation Issues by Robert Jack, Andy Hill, David Menzies and Mike Dowdy | Webinar attendees: 24
- November 4, 2021 – The First Source to Sink Measurements of Turbidity Currents: New Insights for Seafloor Infrastructure by Mike Clare | Webinar attendees: 59
- May 19, 2022 – Accelerated Layout and Design Decisions for Offshore Windfarms through Integrated Geo-Data Management by Kathryn Rovang, Fugro | Webinar attendees: 32
- July 28, 2022 – Vibratory Installation of Bucket Foundations for Fixed Offshore Wind Turbines by Charles Aubeny, Texas A&M | Webinar attendees: 32
- September 22, 2022 – Geotechnical Characterization of an Offshore Frontier in East Africa by Rodolfo Sancio, Geosyntec | Webinar attendees: TBC

US Branch

contd.

Upcoming Learning Webinars:

- TBD – Integrated Marine Geotechnics by Ryan Beemer, UMass Dartmouth
- TBD – Ocean Initiatives: Seabed 2030 and UN's Decade of Ocean Science 2021- 2030 by David Millar

Technical Presentations Delivered During Past OSIG-US Committee Meetings:

- January 14, 2022 – An Overview of Some Key Issues Regarding Global Warming and Climate Change by Ed Clukey
- August 19, 2022 – Advances in Technology: The Gambia Geohazard Baseline Review by Christian Noll, BP

OSIG-US committee maintains liaisons with most other SUT-US committees, including WIND, Marine Renewables, Group on Environmental Forces and School Visiting.

The two most recent committee meetings were held with both in-person and remote attendance options.

OSIG-US committee is working on a complete revamp of the Integrated Marine Site Characterization short course, with the target of completing the course content development and offering the 3-day course in Q1 2023.

SUT-SEO Atlantic (& Europe) Committee

The Subsea Engineering and Operations Committee (SEO) has transitioned to SEO Atlantic. Its membership includes 30 individuals from the US, Canada, Mexico, and the UK: Texas A&M University, NOV, TechnipFMC, McDermott, Wood, CIGoM, 2H Offshore, Subsea7, Intecsea, Saab Group, Husky Energy, Dominion Diving, Double Engineering, Angler Solutions, Fugro, Cyprus Hydrocarbons Company and other subsea services, and consultancy organizations.



Charlie Reith MSc
SEO Committee Chair



Dr. KP Shukla
SEO Committee Vice Chair

SEO Atlantic is meeting monthly with technical presentations and discussing about industry topical themes and potential learning programs. A significant focus has been in the Energy Transition and the Net Zero Technology Centre challenges driven from UKCS North Sea, Aberdeen, Norway and US sectors with topics of carbon capture and storage, offshore wind, ROV AUV and digital twin projects, among others.

Activities include:

Terms of Reference for the SEO Atlantic Committee was finalized by Charlie & KP after discussions/inputs from the committee members

Presentations and Meetings:

- April 27th: Mr. Nikunj Patel (Vice President, Oceaneering) - Remote subsea inspections, Freedom AUV, e-Liberty Resident ROV Technology (TRL 6)

US Branch

contd.

- Participation in the Floating Energy Forum by Mr. Charlie Reith - Aberdeen 18th May – Presentations shared with the Committee
- May 26th: Ms. Julie Ingram (Director, McDermott) – The Journey to Net Zero Subsea – Case Study
- June 29th: Mr. Steve Johnson - Offshore Renewables SUT Awareness Course supporting Oil & Gas Operations
- Selected Technical Presentations from the Underwater Technology Conference (UTC) in Bergen, June shared with SEO Committee
- July 27th: Mr. Shashikant Sarada (Director, WSP) - Offshore Wind: Potential vs Reality
- August 31st: Mr. Stuart Duncan (Manager, DOF)- DOF Subsea of Floating Offshore Wind- Subsea Surveillance and Installation Work Offshore Norway on Equinor Hywind-Tampen Floating Offshore Wind Project



Nikunj Patel, Oceaneering



Julie Ingram, McDermott



Shashikant Sarada, WSP



Stuart Duncan, DOF

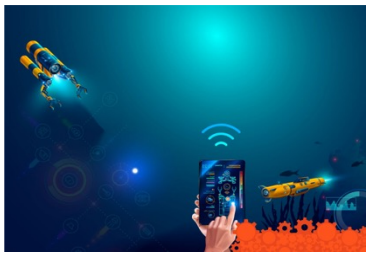
Future Presentations and Meetings:

- Robotic Electrification across the energy transition, Carbon Capture North Sea Licensing Blocks, Equinor Northern Lights CC Subsea, ESG impact level, much more to come in later months
- Digital Twin including Subsea Live Data Centre from One Subsea-SLB
- Subsea Robotics, Nautic US Robotics (joint SEO & Robotics group meeting)
- Discuss how to increase the participations in the meetings and webinars and share information on the employment opportunities

The subsea equipment, technology aspects are progressing at pace. However, there are significant gaps in the industry People Skills with an ageing subsea and marine sector workforce. The STEM Initiative program in the UK has been very proactive at schools creating an interest for the next generation in subsea engineering and operations as a career choice. There have been declining numbers in Universities and Colleges over recent years. So, still plenty to be done by the SUT Learned Society efforts in collaboration with other organizations such as the IMarEST, IMT and the Global Underwater Hub to make it a wider international career path and to bring through more young professionals into the operational support sectors across this Energy Transition Zone and the Blue Economy opportunities.

Photos courtesy of the Global Underwater Hub, Aberdeen, UK.







Making subsea engineering, operations more interesting for the younger generation

US Branch

contd.

Robotics and Automation Committee

The Robotics and Automation Committee (R&A) is chaired by Faisal Yousef, P.E., Engineering Consultant / API Lead Auditor. Individuals from the following organizations committed membership: Schlumberger, SAAB, inRobotics, Kongsberg, Chevron, CANRIG, RBR Group, TAMU, UH CL, and Rice University.

The committee had seven meetings over the last 12 months and had the following presentations:

- Wave Powered Seafloor Robot – by Chris Roper from SAAB Group (2021 10 15)
- VADER – Robotic Tank Inspection by David Frazer from Chevron and Damien Goodyear from IPOZ (2021 11 19)
- Marine Robotics – By Adrian Thorn from Sonardyne (2022 01 25)
- OI Freedom AUV – By Jami Cheramie from Oceaneering (2022 03 22)
- Snake Robotics by Morten Bjerkeholt from Eelume (2022 04 21)
- HUL Skater Robot by Adam Stuchlik (2022 05 26)

Contributed to the Online Engineering Competition with a Robotics Challenge - (Dr. Fathi Ghorbel at Rice University)

Working on two upcoming Fee-Based Webinars to be scheduled for later this year or early next year:

- **Robotics Assisted Offshore Oil Platform Operations and Inspections by Dr. Zheng Chen – Assistant Professor in The Department of Mechanical Engineering at the University of Houston.**

  A webinar about some key technologies which enable Robotics Assisted Inspections and Operations such as:

  - Smart Touch Technology to detect bolt looseness of flanges in pipelines.
  - Door Opening Tool which allows a lightweight service robot to open and close a watertight ship door.
  - Valve Inspection and Operation Tool which allows the service robot to operate and inspect a valve remotely.

- **Canrig Robotics by Hifzi Ardic – Advisor**

  A Webinar about Canrig Robotics which provides automated tubular and tool handling modular systems that are applicable in onshore and offshore applications. Will discuss full robotic drilling system on the drill floor, such as:

  - Electric Drill Floor Robot
  - Electric Robotics Roughneck
  - Multi-Size Elevator MSE-350
  - Electric Robotic Pipe handler

Marine Renewable Energy Committee

Steve Johnson, retired Chevron, chaired the Marine Renewable Energy Committee (MREC) June 2021 thru June 2022. Individuals from the following organizations committed membership: Geosyntech Consultants, Texas A&M University, University of Houston, Wood Group, Siemens, Fugro, Subsea7, Power Engineers, Element, JDR Cables, Integral Consulting Services, and BP.

Webinars & Presentations

- August 3, 2021, GoToWebinar - Offshore Wind in the US - Supply Chain Requirements for a Developing Market, presented by Zach Skelton of Seaway 7
- August 16, 2021, MREC OTC Reception sponsored by Integral Consulting Services.
- September 9th, In person MRE presentation to Society of Professional Women in Petroleum (SPWP).
- September 10th, Virtual quarterly committee meeting held.

US Branch

contd.

- November 3rd, GoToWebinar Engaging with the Blue Economy: Fisheries/Aquaculture presented by Torbjørn Eggebø of Ocean Aqua Farms.
- November 8th, In person MRE presentation to TAMU.
- January 7th, Virtual quarterly committee meeting held.
- March 24th, In person MRE presentation given to TAMU.
- April 26th, GoToWebinar Introduction to offshore hydrogen generation from offshore wind presented by Quentin Egly of DNV.
- May 2nd, MREC reception at OTC, sponsored by Integral Consulting Services.
- May 12th, Virtual quarterly committee meeting held.

Scholarship Committee

Six members comprise the Education Committee, chaired by Jon Halliburton. This committee is responsible for reviewing SUT US' annual scholarship applications.

The 2022 scholarship recipients were recognized during the Scholarship Awards Ceremony on September 9, 2022. The selected students by the Scholarships Subcommittee were:

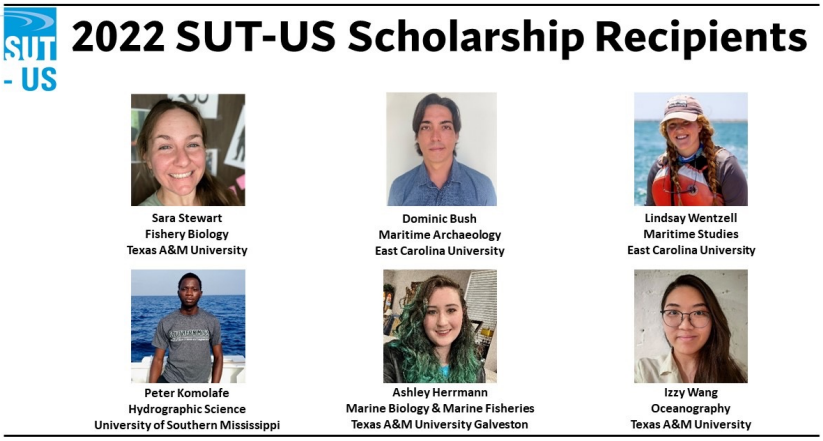
- Sara Stewart, Fishery Biology, Texas A&M University
- Dominic Bush, Maritime Archaeology, East Carolina University
- Lindsay Wentzell, Maritime Studies, East Carolina University
- Peter Komolafe, Hydrographic Science, University of Southern Mississippi
- Izzy Wang, Oceanography, Texas A&M University
- Ashley Herrmann, Marine Biology & Marine Fisheries, Texas A&M University Galveston



2022-2023 Scholarship Awards Event Attendees

US Branch

contd.



Young Professionals Committee (SUT-YP)

Learning Luncheons, Webinars and Networking Events:

September 1st, 2021
YP and MREC Webinar: Floating Offshore Wind Turbines - Comparing Floater Types and Designing Mooring Systems; Kai-Tung (KT) Ma, National Taiwan University

April 7th, 2022
YP Seminar/Webinar: Flow Assurance and Impact on Major Capital Projects Design; Dr. Carlos Avila, Assured Flow Solutions

May 4th, 2022
SUT Supports OTC: Young Professionals: Conquering Career Challenges in Offshore Energy; SUT-US YP Supported the round table topic discussions

Accomplishments of our Members

OTC Emerging leaders program recognizes young professionals who are making key contributions to the offshore energy sector in their field of work, service to the industry, innovation, and focus on safety.

- Patricia Varela, Chair, recipient 2021
- Ajay Shastri, Professional Organizations Liaison, recipient 2022

Patricia Varela and Roneet Das moderated a session on the 4th International Symposium on Frontiers in Offshore Geotechnics (ISFOG 2020) in Austin, TX.

Mentoring Program Update

- 26 mentees have enrolled - 8 Young Professionals, 18 Students – U of H, Prairie View, University of Southern Mississippi, Louisiana State University
- Positive feedback from mentors and mentees

US Branch

contd.

Women in Industry

The SUT-US Women in Industry Subcommittee (WIND) task force was created to cultivate awareness on inclusion, diversity, mentoring and leadership directly from academia and industry professionals. Its goal is to engage men and women equally through the Champagne & Conversation Series, a platform to learn about how the industry has changed over the past years in terms of diversity and inclusion by gathering senior level professionals as well as young professionals from the offshore energy industry, to talk about their experiences and share their experiences and advice for future industry leaders.

WIND is currently led by Luz Zarate, Enterprise Architect at RPS, and complemented with membership from Chevron, Stress Engineering Services, GEMS, Intecsea, Geosyntech, and KBR.

Champagne and Conversation Series Events:

April 28, 2022

Champagne & Conversation Series Edition 9: "From Law to Leading the Strategic Growth of Fugro in the Americas," where we heard from Céline Gerson on her career evolution, Fugro's recently appointed Group Director for the Americas region.

Sponsors included RPS, NOV, Sify Technologies Limited and Endeavor Business Media.

Hosted by Andy Hill, BP



Women in Industry
September 30, 2021
Champagne & Conversation Series Edition 8: Table Discussions, focused on diversity, leadership and career development.

Table Leads and Topics

- Erica Auguillard - Regional Head of Human Resources, Fugro Americas - **Dimensions of Diversity**
- Anthony Caridi – Director, January Search - **Knowing your value**
- Patricia (Trish) Murison, Assurance Risk and Interface Manager, Gulf of Mexico, Chevron - **Unconscious bias**

US Branch

contd.

- Julie Dehne, Business Development and Digital Transformation Manager – Americas, Lloyd's Register Quality Assurance, Inc. - **Leading with authenticity**
- Dr. Zenon Medina-Cetina, Associate Professor, Civil & Environmental Engineering, Texas A&M University; Former SUT-US President - **Uplifting others**

Hosted by Amber Sturrock, Chevron & SUT-WIND





West Africa Branch

www.sut.org/branch/west-africa

The West Africa Branch of the SUT had not been active in the period from 2021-2022. The committee welcomed some new members and thanked past members for their service to the branch. It is hoped that 2023 will bring more opportunities to engage with local members and other international SUT branches.



David Agazuma

Committee

President David R. E. Agazuma
Chair Professor Francis Ifeayin Anyasi
Vice Chair Dr Anietie Umofia
Vice Chair Prof. Emeka Emmanuel Oguzie
Honorary Secretary Dr Oloruntoba Daniel Toyin
Honorary Treasurer Adagba John Agama
Administrative Secretary Nnenna Sandra Njoku
International Executive Committee Neffgen James Michael
Business Development Executive Chiamaka Favour Ezeh-Agazuma

Prof Jackson Gunorubon Akpa
Engr. Aloysius Oseghale
Prof. Peter Azikiwe Onwualu
Engr. Romeo Eghenokhian Agazuma
Prof. Mark Adom-Asamoah
Prof. Esther U Ikhuoria
Charles Uchenna Ezeh
Engr. Chidimma Emmanuela Ohanele
Celestine Imhanbibi Okonokhua
Professor Francis Warings Yao Momade
Prof Kwasi Obiri-Danso
Prof. Onwona-Agyeman

Reports from Commmittees of Council and Special Interest Groups



Education

Education is at the heart of the SUT. Sharing knowledge, educating members, non-members, the general public and politicians, access to support for students through the Educational Support Fund (ESF), organising and participating in events aimed at students at large conferences and exhibitions on the subject of Ocean Careers as well as student focused webinars from SUT+. Opening the world of career opportunities to children, schools and teachers is part of the SUT's education objectives as well as showcasing the importance of careers in underwater, subsea and marine science, technology and engineering now and in the future.

Unfortunately, it was not possible to run the Christmas Lecture for schools in its established face-to-face format in 2021 with the ongoing and changing Covid restrictions. We look forward to reinstating this on the SUT calendar in 2023 whether as an in-person, online or hybrid event. Potential sponsors for the schools and Christmas lecture are encouraged to contact me or CEO, Cheryl Burgess for information on the organisation of these events and sponsorship opportunities.

When elected Chair of SUT Council last December, it was agreed I would retain the position of Chair of the Education Committee. If you are interested in the subject of education and becoming involved as a volunteer on the Education Committee, please contact me including a short summary or your areas of expertise and relevance.

In addition to the ongoing success of the ESF fund, covered elsewhere in the Annual Report, and education-oriented webinars run by SUT, the SUT podcast delivered by Andrew Connelly and Emily Boddy continues to engage both members and the public. Listen to episodes at ***sut.buzzsprout.com/***. I encourage you to check out the podcast series.

Additionally, the SUT's YouTube Channel (***youtube.com/@SUTMedia***) provides informative content to all those who may be interested not only in the SUT, but the Society's areas of expertise with content from webinars and presentations in the Special Interest Groups.

Next year we have plan for a career-focused webinar on what SUT members do in their 'day jobs'. If you have an unusual role, a job about which you are passionate, or a career which you would like to talk about and think pupils, students and schools will be interested; please contact us via *events@sut.org*.



Sue John

Committee
Chair Sue John

Educational Support Fund Management

The Society for Underwater Technology continues to support students through our Educational Support Fund. Each summer we invite applications for scholarships which attract candidates from around the world. Unfortunately, the Society is not resourced to be able to award funding to everyone who applies (over 25 in 2021), but we hope to be able to grow the number of awards we make in future. The Society thanks all those who donate funds for this purpose.

In 2021 the Society was able to make two scholarship awards. The recipients of grants from the Educational Support Fund were: Vanda Czene who will be studying Marine Biology with Oceanography at the University of Southampton and Erin Nicolson, studying Ecology and Conservation at University of St Andrews. Bartol Sikora, Engineering Science, University of Oxford continues to receive ESF support.

While students from all over the world are able to apply for the ESF scholarships; several of the SUT Branches operate their own scholarship schemes with USA Branch raising thousands of dollars of corporate sponsorship to support students from Texas A&M, Rice, and Houston universities for now, with others planned for the future. Perth (Australia) Branch also support scholarships.

The Educational Support Fund has been limited to supporting undergraduates and Masters students. From 2023 SUT Council have agreed to support a Doctoral student with the Bil Loth Memorial Grant. The timetable and process of application will align with the existing ESF processes.

Summary of Undergraduates graduated in 2022

Marine Science with Oceanography and Robotics - Scottish Association for Marine Science

Marine Science with Oceanography and Robotics - Scottish Association for Marine Science

Summary of New/Continuing Undergraduates 2022-2023

Engineering Science - University of Oxford

Marine Biology with Oceanography - University of Southampton

Ecology & Conservation - University of St Andrews

MSc Marine Environmental Protection - Bangor University

MSc Engineering Fluid Mechanics for the Offshore, Coastal and Built Environments - Imperial College

International Training

With Sue moving into the SUT Chair role, she asked me to take over the lead for the SUT's international training committee which I was happy to accept.

From the training perspective the 2021-22 year has been one of growth with importantly the return of branch face-to-face training re-starting. These have included materials and flexibles courses in Perth, flow assurance and subsea foundation design. The US Branch has worked to offer training available in Houston

An Introduction to Offshore Geophysics and Geotechnical Engineering was held as a virtual, online course by the OSIG committee. Aberdeen Branch will run its first face-to-face training course in September 2022 which will include site visits to several Aberdeen-based companies. The Norway Branch have scheduled face-to-face training in October 2022 in Bergen, which will also included site-visits. More courses, virtual and face-to-face are planned for 2023.

The International Training Committee has reformed bringing together Branches who deliver training as well as individual members interested and active in the field of training.



David Saul

Committee
Chair David Saul

Moya Crawford
Leanne Geneve
Robert Luff
Bob MacDonald
David Newman
Ralph Rayner
Charlie Reith
Paul Ryan
Nick Swift

International



Steve Hall

Committee

Chair Steve Hall

Australia – Steve Duffield
Brazil – Segen Estefen
Canada – Paul Ryan
China – Frank Lim
Eastern Mediterranean – Daniel Hayes or Nicolas Droushiotis
Kuala Lumpur - vacant
Middle East – Adrian Phillips
Norway – Nils Vaagen
Singapore – James Christie
United States – Tricia Hill
West Africa – David Agazuma, Jim Neffgen
CEO SUT – Cheryl Burgess
Chair SUT Council – Susan John
Past Chair SUT Council – David Saul
Plus Chair London, North of England (Vahid Walker) and Aberdeen Branches by invitation

The International Committee focuses mainly on the development, regulation and governance of SUT's family of international branches, and with the UK network of Branches to ensure that all of the SUT works in an aligned manner as regards our interactions with members and stakeholders, upholding high ethical and professional standards, and helping provide access to training and online materials.

The International Committee reports directly to SUT Council, and has representation on Council via both individually elected members, and through the Chairs of our USA and Perth, Australia Branches.

Over the last two years many Branches struggled while the COVID pandemic closed so much of the face-to-face interaction that a Learned Society requires to thrive and be relevant to members. The close-down of activities slowed down progress in opening our two newest Branches, Canada and Eastern Mediterranean, but both are now ready to formally launch and I expect by the next Annual Report we'll have activity to report from both of them.

Sadly, while new Branches get ready to launch, some of our long-established Branches have found it hard to get through the changes imposed both by COVID and changing commercial realities. Our Kuala Lumpur Branch is currently inactive pending a new Chair and Committee, and we have not heard from the Chair of our Brazil branch at the International Committee for some time.

To better reflect the views and needs of the global network of Branches we have changed the make up of the International Committee this year, it is now comprised of the Chair of the Committee, SUT CEO, SUT Chair and immediate past-Chair, and the Chairs of the International Branches. This enables each Branch to be able to report directly on how things are going, and feed information directly to the CEO and Chair of SUT, who are able in turn to feed back what they need to know to ensure the smooth, consistent running of the Society as a whole.

We aim to meet three times per year, and work closely with other SUT committees where relevant.

Policy Advisory

The SUT Policy Advisory Committee reformed with new committee members in 2021 following its quiet status in 2020 during the global coronavirus pandemic. Now chaired by CEO, Cheryl Burgess and including SUT President Moya Crawford, the committee has begun to meet virtually. With the breadth of the Society's interests and activities, and the new special interest groups (SIGs) now part of the SUT, the committee is looking to develop policy statements from these SIGs. Requests for responses to enquiries from Parliamentary Committees, government departments, agencies and working groups were disseminated to special interest groups for comment and input.

The Society remains uniquely placed to provide a voice from our members and industry sectors as a learned society helping to inform and educate policy makers about the challenges, issues, solutions, innovations, research, aspects and state of the art underwater technology currently available and in development for future use during the coming decades. The Society is multi-disciplined and unbiased as well with membership able to views from the historic to current and development of policies for the future: offshore and marine renewable energy, environmental science, protection, and forces, education and training for workforce development and much more.

The Policy Committee admits members by request and after review. If members are interested in joining the Policy Committee in 2023, please contact *info@sut.org*.



Cheryl Burgess

Committee
Chair Cheryl Burgess

Defence



Nick Swift

Committee

Chair Nick Swift
Deputy Chair
Roland Rogers

Captain Ryan Ramsey
Terry Sloane
Keith Broughton
Matthew Gleed
Ioseba Tena
Alan Noble
David Maclean
Ian Danbury

The Defence Special Interest group were involved in number of events this year, including:

Ocean Business

A defence session was held to this year's ocean business event. Speakers from the Ministry of Defence, NATO and industry discussed collaboration and the importance of standards in the underwater battle space domain. This included a presentation by the Defence Science and Technology Laboratories (DSTL) on Phorcys – An open and secure acoustic communication standard that enables multi-domain C4 in coalition maritime environments, and a presentation by NATO on the importance of collaboration between marine autonomous systems and the trials work that is being undertaken by NATO to explore potential solutions.

Oceanology

The Defence Special interest group hosted a session to present the Royal Navy's initial, high-level requirements for Seabed Warfare. The session included presentation by stakeholders in the Royal Navy and some examples of industries capabilities to address these. This session considered Critical National Infrastructure on the Seabed (SBCNI), protecting the SBCNI, the threats, and impact of the threats. The Royal Navy and industry experts presented on this important and considered what are the current challenges the ways forward and the requirements for the future in the defence sector.

Combined Naval Event

SUT sponsored the Combined Naval Event, held in Farnborough. This included a presentation about the SUT and how it can facilitate the exchange of technologies and information between defence and non-defence domains.

We are planning a workshop to be held on the 8th February 2023 at the Battlelab Dorset. The defence user community will propose some capability gaps and the SUT membership will be invited to present potential solutions.

The group is considering how current and future underwater technologies can be developed to:

- support the defence domain – considering none defence technologies, techniques and solutions can be applied to solving some of the problems face by defence and maritime security organisations;
- exploit defence derived technologies in the non-defence environment;
- introduce non-defence organisations to the research and development programme funded by the defence industry; and to
- foster research and development collaboration between defence and non-defence organisations.

The Defence SIG hopes to identify key capability gaps from emerging threats from international members and organisations that can be addressed by the worldwide SUT community

We are looking to welcome some new members in order foster collaboration and increase access to defence R&D funding. If you are interest in joining, please contact *defence@sut.org*.

Diving and Manned Submersibles

The Diving and Manned Submersibles Committee has not met in the past 12 months. The predominant cause was the COVID pandemic, but its activity has also been significantly impacted by the death of its chair, Dr John Bevan, in 2020.

It is hoped to reconvene the Committee in 2023 following a review of its structure and purpose.



Martin Sayer

Committee

Acting Chair Martin Sayer
Clerk Emily Boddy

Gavin Anthony
Cdr Alan Bax
Neil Brock
Mark Caney
Taira Caton
Mark Dunkley
Paul Evans
Oliver Firth
Alison James
Gerrard Laden
Sally Marine
Tony Marshall
Garry Momber
Don Shires
Judith Tetlow
Graham Wilson

Environmental Forces



Qingwei Ma

Committee

Chair Prof QW Ma
Secretary AN Moore

Prof T Adcock
R Addlesee
Dr R Ahilan
Prof N Barltrop
Dr WJD Bateman
Prof PW Bearman
F Beiboer
Dr M Birkinshaw
Dr E Buldakov
D Carter
Prof DM Causon
Prof JR Chaplin
Dr M Christou
RL Davies
Dr KR Drake
Prof R Eatock Taylor
AJ Fyfe
Dr R Gibson
Prof D Greaves
G Grewal

The SUT Group on Environmental Forces (SUTGEF) held five events since Feb 2021, three online and two hybrid.

The event (119th Meeting) was held online on 25 Feb 2021. Two presentations were made. One was given by Dr. Jana Orszaghova (University of Western Australia) on 'Dynamic instabilities in wave energy converters'. The other was given by Dr. Jørgen Hals Todalshaug and Dr. Hannah Buckland (CorPower) on 'wave loads as cost and performance drivers for the C4 wave energy converter of CorPower Ocean'.

The 120th meeting was also held online on 30th Sept 2021. There were also two presentations made. One was given by Prof Alison Raby (University of Plymouth) on 'wave loading on rock lighthouses'. Another was given by Prof Alessandro Antonini (TU Delft) on 'A Bayesian inverse dynamic approach for impulsive wave loading reconstruction: Theory, laboratory and field application'.

The 121st meeting was again held online on 10th Feb 2022. There were again two presentations made. One was given by Dr Harrif Santo (Technology Centre for Offshore and Marine, Singapore) on 'TCOMS Ocean Basin facility'. Another was given by Prof Wouter Mostert (University of Oxford) on 'Physics-informed modelling of the statistics of energetics, bubbles and droplets generated by ocean wave breaking'.

The 122nd meeting was the first hybrid meeting held (in-person hosted by Oxford University and online) on 25th May 2022. Two presentations were made. This one was jointly organized with the meeting of the EPSRC project led by Prof. Ling Qian (MMU) on floating offshore wind system. Each of the work packages of the project reported their achievements.

The latest event (123rd meeting) was also hybrid (in-person hosted by Imperial College) on 21st Sept 2022. Two presentations were invited and made. One was given by Prof. Zhiqiang Hu (Newcastle University) on 'Software-in-the-Loop combined Artificial Intelligence Method for Dynamic Performance Analysis of Floating Offshore Wind Turbines'. Another was given by Dr. Mark McAllister (University of Oxford) on 'Wave breaking in highly spread and crossing seas'.

SUTGEF continues to provide a forum for vigorous debate between members and guests from academia and industry. The meetings were well attended. All the invited speakers were awarded a certificate.

COVID-19 forced us to make significant and positive changes: (1) we can now organize hybrid events, in-person and online; (2) we can now invite international speakers to give talks, and (3) international audience can attend the events, and so we have seen much larger audience (sometime we see more 100 registered and more then 60 attended) in our events than before. These changes give us opportunity to extend the boundary of impact of the events.

Dr J Hamilton
Dr G Jeans
M Johnson
I Leggett
Dr A Raby
Dr R Sheikh
Dr E Spentza
Dr J Spinneken
R Sproson
Dr R Standing
Prof P Stansby
Prof C Swan
Prof P Taylor
Dr P Tromans
T van den Bremer
A Watson
W Tan
R Webb
Dr G Weymouth
Dr J Zang

Marine Environmental Science

The MES SIG has held meetings every quarter over the last 12 months, two of which have been hybrid events (Southampton and London). We are having another hybrid event in October in London. We have welcomed a number of speakers, both external and members, to our meetings covering topics including:

- Is Oil & Gas dead? And what are the environmental implications?
- Environmental considerations of a Floating Offshore Wind project;
- Defining the Thresher shark nursery within the Isle of Wight UNESCO Biosphere;
- Bombora Wave Power Solution to Clean and Sustainable Power Generation;
- Digital twins.

We also held a small social at Oceanology back in March. Looking forward to the next 12 months we will continue to hold meetings every quarter, with the aim of these being hybrid. As this is a SIG which was established during lockdown, there is definitely a fall back of holding only virtual events, but as the Chair of the SIG I would like to see more members attend in person in future so that we can really explore the networking that being a member of a SIG gives you.

At the meeting last October, the current skills gap within the marine environmental science sector was discussed. It was identified that there is a lack of knowledge in the job opportunities available to those who are studying a marine environmental science subject. As a consequence, we have established an Education Subcommittee who have been tasked with trying to improve this. We acknowledge that this ais a large topic and is not something that will be resolved overnight. Prior to Oceanology in March, we reached out to a number of universities, whom we knew were attending with student groups and offered student tours of the exhibition area. Those that attended these commented on the benefits and is something that we would promote at any future conferences which are known for a *student day*.

Looking forward to the next 12 months the SIG and the Education Subcommittee will continue to develop. I am hoping that we will be able to hold more in person quarterly meetings with a greater number of members in attendance. To reiterate what I said last year, by exploring different topics at these meetings, we hope to identify problems/difficulties within the marine environment and begin to identify solutions which help facilitate us all having a positive impact on the marine environment. There is overlap between the issues and discussion subjects that the members of the MES SIG wish to discuss and develop and we are all therefore looking forward to explore any synergies with other SIGs.

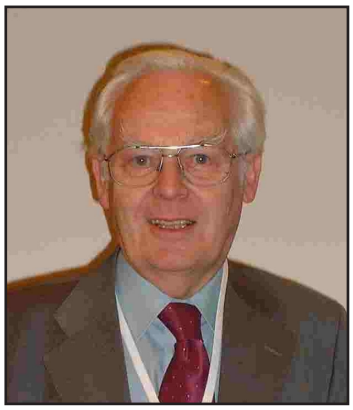


Katie Cross

Chair Katie Cross
Secretary Lucy Shuff
Events Secretary
Nathan Formosa

Adam Chambers
Ainslie Casson
Alison Brand
Andy Matkin
Bethan Owens
Benjamin Lincoln
Cemlyn Barlow
Cheryl Burgess
Chris Poonian
Claire Hinton
Daisy Chamberlain & Team from Thomson
Damien Kirby
Deborah Morgan
Edward Wort
Elena Rainey
Gareth MacGlennon
Gary Nicol
Gillian Allen
Gordon Watson
Helena Sherman
Ian Hendy
Ian Reach
Ian Wilson
Idongesit Ikpewe
Inge Smith
Isabelle Rundle
Jack Poleykett
Jill Schwarz
Judith Patten
Karen Pratt
Katie Cross
Lucy Shuff
Marja Aberson
Michael Thompson
Mick Cook
Nicola Harris
Paul Collins
Phoebe Chadwick
Rhiannon Alger
Ross Compton
Ruth Barnich
Ryan Mowat
Sam Strutton
Samantha Williams
Samuel Stanton
Steve Johnson
Sue John
Ute Brönner
Vere Ross-Gillespie

Marine Renewable Energies



John Sharp

Committee
Chair Prof J Sharp
Clerk E Boddy

D Ayling
N Bennett
D Brookes
K Buckle
S Cheeseman
J Colby
P Davies
P Fraenkel
S George
J Grant
J Griffiths
C Hanly
J Hulm
G James
S Johnson
D Kerr
R Lesemann
Dr S Merry
N Morgan
T Morris
M Murphy

The Committee has decided to continue with its regular meetings online enabling higher attendance due to the need not to travel to London. There has been a speaker at each meeting which has included presentations on EMEC (Neil Kermode), Offshore Wind Flow Cluster (Simon Cheeseman), Skua Marine (Liam Warren) and Greenbackers investment (Andrew Smith). Floating wind is now an active part of the committee's portfolio and is discussed at each meeting

International developments in marine energy are reviewed at each meeting. During the year we have worked closely with the recently formed US MREC, with representatives from each committee contributing to both meetings.

During the year the committee responded to one UK consultation; this was the BEIS draft Policy Statement for Energy Infrastructure. The MREC contribution included support for both tidal stream and tidal range technologies.

The committee reviewed its annual plan at the beginning of the year and highlighted some areas where little progress had been made. This included the need to update the careers part of the SUT web site on marine renewables; some progress has been made in updating this but there is further work to do.

The committee contributed to and helped organise the conference sessions on wave and tidal energy at "All Energy " held in Glasgow in May 2022. At this event the Lennard-Senior prize for 2021 was presented. The winner was decided by Committee members and was Neil Kermode, Managing Director of EMEC (European Marine Energy Centre), awarded in recognition of outstanding individual achievement in the field of Marine Renewable Energy.

Neil won the inaugural award ten years ago in 2011 and, perhaps more than ever, deserves this accolade today. EMEC has marine renewables at its core and has extended its reach, to great effect, to encompass hydrogen and energy systems. Neil is a true champion of enabling the marine energy sector.

Dr R Norman
J Patten MBE
G Plant
T Sawyer
A Smith
T Van Der Kammen
L Warren
S Wilson
M Wright

Offshore Site Investigation and Geotechnics

The past twelve months have been busy and successful for the OSIG committee. Online meetings have continued and some smaller groups of people have met to attend meetings. The key highlights of the past year are summarised below.

Events and short courses for industry and students

A fully online short course was successfully held in November 2021 with an attendance of 51, exceeding expectations. The presentations were supported by worked examples and sessions to keep audience engagement. Feedback received included "Highly engaging and relevant to my area of work - particularly liked use of practical activity (as with all other days) to practice/use concepts spoke about in presentations". After the course all feedback was reviewed and next time a similar course is run this will be taken into account.

MSc Master Class went ahead at Imperial on the 9th June. Overall, the day was well received and attended (50 in room and 25 online). Thanks were received from Richard Jardine to those who helped to organise the event, sponsorship and the presenters

An in-person event in the South West went ahead with more than 100 people attending. Presentations were made by from Dave White, from Wessex Archaeology and Will Hodgson on synthetic CPTs.

OSIG Conference

Planning work for the OSIG conference has continued and this is now confirmed to be held in London at Imperial College from the 12th to 14th September 2023. The conference dinner will be held at the Natural History Museum. Good progress has been made on sponsorship and paper abstract submissions have been high. Furthermore, keynote speakers have been identified. All the essentials for a great conference with global attendance are coming into place!

More details on the conference can be found here: *9th International SUT OSIG Conference "Innovative Geotechnologies for Energy Transition" | SUT | Society for Underwater Technology*.



Neil Morgan

Committee

Chair Neil Morgan
Secretary Tim Carrington

Peter Allan
Chris Almond
Ricardo Argiolas
Jon Arthur
Paul Baggaley
Mike Baker
Andy Barwise
Andrew Benson
Emily Boddy
Scott Boyce
Michael Brown
Nigel Carey

Eric Cauquil
David Colliard
William Cleverly
Mick Cook
David Coursey
Michael Cowie
Karen Dalton
Andrew Deeks
Justin Dix
Phil Durrant
Jim Edmunds
Phil Edwards
Mark Finch
Ian Finnie
Scott Gooding
Chris Golightly
Steve Hall
Kevin Hampson
Aime Harrison
Majid Hesar
Ray Hobbs
Dei Huws
A Ivanovic
Richard Jardine
Suzanne Lacasse
Thomas Langford
Peter Larkin
Vincent Latron
Mark Lawrence
Dafydd Lloyd-Jones
Tom Lunne
Alisdair MaConochie
Chris Martin
Alice Maynard
Rich Metters
Neil Morgan
Simon Oakley
Richard Orren
Julian Osborne
Miguel Pacheco-Andrade
John Powell
Toby Powell
Oyvind Ruden
David Rushton
Rupert Rowland
Richard Salisbury
Roi Santos
Alex Searle
Felix Schroeder
Paul West
David White
Phil Wilson
Anna Wolowicz-Trouwborst
Gareth Wood
Guangquan Xu

Offshore Site Investigation and Geotechnics

contd.

Guidance notes and standards

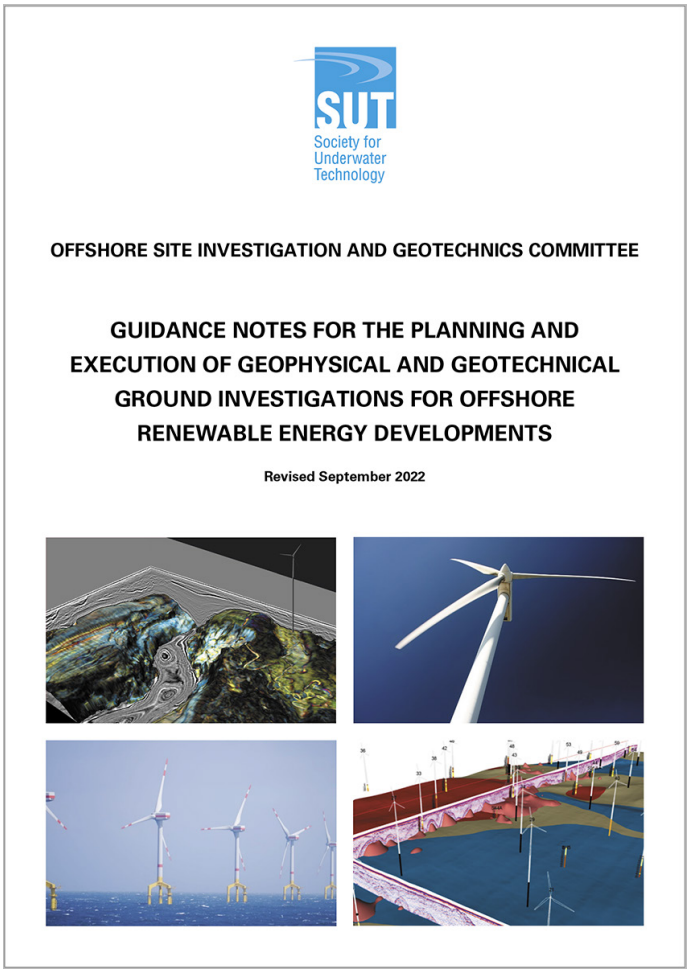
The final version of, 'Guidance notes for Geophysical and Geotechnical Ground Investigations for Offshore Renewable Energy Developments' that was published in 2014 has been updated and is now available for ***FREE download to SUT Members***. The document presents a considerable update to the previous version published in 2014.

Members also continue to actively participate in the following international standards:

- ISO Standard 'Marine Soil Investigations'
- ISO Standard 'Geophysical Site Investigation'
- ISO Standard 'Geotechnical and foundation design considerations'
- OGP-D 'Guidelines for the Conduct of Offshore Drilling Hazard Site Surveys'

Closing comments

The OSIG committee has continued to work hard on the short courses and guidance notes. It is hoped that physical meetings can continue to ramp up and that online participation in these will continue to be possible.



Salvage and Decommissioning



Karen Seath



Moya Crawford

The Decommissioning and Wreck Removal Committee is part of the SUT's wider International Salvage and Decommissioning Committee. Alongside its partner, the Marine Alliance for Science and Technology (MASTS), it has been running a yearly Salvage, Decommissioning and Wreck Removal Workshop that coincides with the MASTS' Annual Science Meeting. Due to the range of disciplines involved, including scientists, engineers, salvors, fishers, policy makers, insurers and lawyers, this is a lively event, very much fulfilling the SUT's societal role.

As this financial year, we have been preparing for our tenth Workshop, it seems appropriate to have a retrospective look at the topics that we have tackled and, indeed, how we have contributed to debate on **Anthropogenic Matter, Material, Object, Structures and Substances (AMMOSS) in the marine ecosystem, taking a holistic, lifecycle approach**.

Our collaboration with MASTS first started back in 2013. Over the years we have looked at the differing approaches to decommissioning around the world, e.g. comparisons between the highly regulated North Sea, with its OSPAR requirement to remove practically everything, and the Gulf of Mexico which regularly practises the rigs to reef approach. In relative terms, Asia Pacific and Australia regions are at the start of their decommissioning journey, and are looking to more mature markets for lessons learned. Indeed a few of us in our committee are helping the Australian Institute of Marine Science, part of the Australian Government, with a horizon scan of key questions that need to be addressed to ensure scientifically robust and transparent decision-making regarding the fate of decommissioned offshore oil and gas infrastructure.

A key area of interest and focus, right from the start, has been the impact of man-made infrastructure and structures such as wrecks, on the marine environment – asking whether removal (whether full or partial) was indeed the right thing to do? A number of these structures have been in the environment for many years, and are themselves now part of the ecosystem, supporting an abundance of marine life – so is it the right things to remove them? This is quite an area of debate from all perspectives, whether academic, industry, or regulatory.

The start of our workshops actually coincided with the launch of INSITE, an independent science programme examining the effects of man-made structures on the ecology of the North Sea. And a number of our committee members are part of the projects which it funds. It has been exciting to see and hear its progress.

In 2018, we introduced the topic of the use of explosives for decommissioning and

Committee

Chair Moya Crawford
Chair Karen Seath
SUT CEO Cheryl Burgess
Coordinator Abigail Davies

Vidar Åhjem
Eliana Mercy Araujo
Felicity Arthur
John Baxter
Alison Brand
Simon Burney
Kevin Campbell
Sarah Canning
Andrew Chamberlain
Nick Donnelly
Arnstein Eknes
Jim Elliott
Mike Elliot
Kate Gormley
Lee Hanlon
Becky Hitchin
Hannah Hood
Mark James
Nigel James
Tony Laing
Mark Lawrence
Hannah Lawson
Andy Liddell
Andy Matkin
Thomas Miller
Joel Mills
Peter Oliver
Kilian Palop
David Paterson
Bill Ritchie
Murray Roberts
Sally Rouse
Erin Sherratt
Mark Shields
Dan Stewart
Simon Swallow
Win Thornton
Tom Walters
Martin Watts

Salvage and Decommissioning

contd.

removal purposes – "To blow or not to blow" being a key question! We had a fascinating panel session that year, with marine scientists, explosives experts and policy makers – all with differing views. Due to the level of interest, we have now set up our XCOM Special Interest Group, which provides a platform for the various perspectives and views to be discussed and debated.

Showcasing and discussing state of the art technology has always been a key interest area for us – addressing the Underwater Technology element. More recently simulation and visualisation has really come to the fore, where we have had the most amazing demonstrations from members. This technology is now so advanced it now routinely informs decision making, which is crucial for reducing risk.

A topic very close to my heart is the circular economy, that is the reuse through to recycling of infrastructure and materials. We started looking at this topic in earnest in 2019. For those of us who work in this area, it is frustratingly, in practice, highly challenging, not least because the key driver is economics.

And this leads us rather nicely onto a much discussed topic which has impregnated every aspect of our lives in the last few years – the global impact of climate change. From reduced resource consumption through the reuse of materials, to trying to understand the greenhouse gas emissions released from sectors operating in the marine environment. As my friend and colleague Moya Crawford has said, this is just one leg of a long, tough relay race, and boy, do we have a long way to go!

And on that challenging note, the preparation of our 10th workshop, '**Navigating the Blue Economy through the Climate Emergency**.' How do we achieve joined up thinking and improved decision making? This will be held in early November, 2022.

Our first session focuses in on the use and impact of Energy infrastructure and the need for better decision making. We take a look at the energy transition and global marine policies, asking are we really transitioning and is it time to rethink? We also hear about these afore-mentioned circular economy challenges from both the oil & gas and renewables perspectives.

In Session 2, we look at the marine ecosystem itself from varying perspectives, including a Master Mariner's, a salvage and a scientific perspective, asking what are we protecting it for, and looking at the need to think differently.

We then take a deep dive into the exploration and removal of wrecks and offshore structures, with a particular focus on the technology and data need. Excitingly we will hear about the latest expedition to the Titanic which took place this summer, as well as legacy wrecks off the Finnish coast, and how innovative and state of the art technology can help inform decision making.

Our final session, takes a look at one of the tough topics we've tackled over the years – the use of explosives as a tool for decommissioning, and how having the right toolbox can drive efficiencies. One of our experts also discusses the difference between explosives and UXOs (Unexploded Ordinance).

We will then finish with a look at how the strength of the partnership between the SUT and MASTS can help continue to drive challenging and at times difficult topics forward.

This workshop, as in previous years, has been put together to stimulate thinking and to prompt discussion. Interaction is key. It is only made possible by the year-round support of our Committee members, for which I would like to say a very sincere thank you.

Report by Karen Seath, Chair of the Decommissioning and Wreck Removal Committee

International Underwater Vehicles and Robotics Group

The SUT/ECOR Panel on Underwater Robotics has international membership and online communication and meetings have continued. A meeting was held on 13 April 2022 at which 19 attended from Canada, USA, UK and China (about seven of whom were early to mid-career). A short face-to-face check in with a few members attending the IEEE OES AUV 2022 will be held in Singapore on 22 September 2022. An online meeting will be planned later in 2022 or early 2023.

The SUT Polar AUV Guide website has been brought up to date and is linked to the SUT website.

A recommendation for the second Gwyn Griffiths Underwater Robotics Award (GGURA) was made to the SUT Council. This award aims to recognize people in the early to mid-stages of their career who have made outstanding contributions to their field in underwater robotics. The winner of the inaugural award (2021) was Aleksandra Tomaszek - Co-founder & COO at 1CSI. The SUT team interviewed Alex for the Underwater Technology Podcast. Listen at *https://www.buzzsprout.com/1000288/9598806* Congratulations Alex!

Some members of the panel are attending the bienial IEEE OES AUV 2022 in Singapore in September.

The panel is supporting John Howes, editor of online publications *Underwater Robotics* and *UT2*; an article on the polar AUV guide will be published shortly.

The panel has been working on collating pre-recorded lectures on underwater robotics topics for linking to the panel website.



Mario Brito



Neil Bose



Bo Thanyamanta

Committee

Chair Neil Bose
Co-Chair Mario Brito
Secretary Bo Thanyamanta
SUT CEO Cheryl Burgess

Luke Alden
Brian Claus
Nathan Ehrenholz
Shuangshuang Fan
Alex Forrest
Gwyn Griffiths
David Hopkin
Alex Johnson
Chris Kaminski
Bill Kirkwood
Florie Mancel
Richard Mills
Alex Phillips
Supun Randeni
Rolly Rogers
João Sousa
Ivan Stenius
Maxine von Eye
Anna Wahlin
Bungy Williams
Jingjing Xu
Wen Xu
Yanwu Zhang
Fumin Zhang
Ting Zou
Mingxi Zhou

Unexploded Ordnance (UXO)



Mick Cook

Committee

Chair Mick Cook

Events Secretary
Dorthe Reng Erbs-Hansen

Andy Barwise
Kevin Clements
Eric Cauquil
Sally-Ann David
Anja Drews
Michael Hahn
Lucy Malou Henningsen
Christian Herrisson
Richard Hill
Simon Hviid
Deanne Hargrave
Benoit Jouy
Rasmus Juncher
Andrew Kirkland
Robert Koens
Matthew Le Maitre
Eoin McGregor
Julian Osborne
Dave Sharp
Frank Steinhoff
Soren Stricker Mathiasen
Wolfgang Thiessen
Annelies Vanstraelen
Helge Vosberg

After its inauguration on 5th February 2021 the UXO SIG has now experienced its first full year of activity. The primary purpose of the SIG is to identify and to address marine UXO issues within the burgeoning offshore wind and to seek to provide guidance and education to practitioners.

Membership is currently confined to offshore windfarm developers and representation is provided by Ørsted, Tennet, Shell, SSE, Vattenfall, RWE, Energinet, Equinor, ScottishPower, Amprion, TotalEnergies, EDF, BT, 50 Hertz, Ocean Winds, and Guernsey Electricity. At an appropriate point in the future, membership will be opened-up to all stakeholders.

The SIG is very much an international group including representatives from the UK, USA, Norway, Denmark, Germany, France, and The Netherlands, but we are always looking to expand our geographical reach; particularly in SE Asia.

In the early stages of the SIG, we met monthly but have subsequently reduced meetings to quarterly as the Group matures. To date, all meetings have been virtual except for March 2022 when those members attending Oceanology International met for a couple of drinks at a nearby hotel. For many of us, this was our first face to face meeting and exemplified the benefits of such personal contact. Our plan henceforth, is to meet four times a year with one-two such meetings being face to face; ideally arranged around an industry event.

It had been our intention to hold a full-day workshop open to all at Oceanology International in March 2022. However, due to the impact of COVID on people and businesses, particularly in Europe, this led us to deferring the workshop until the situation had returned to normal. We will be working on plans to hold such a workshop in 2023 to discuss the issues around marine UXO and its impact on the offshore wind industry.

Should you have any questions about the business of the UXO SIG, please do not hesitate to contact me: Mick Cook, *mick@mickcook.com*

Society for Underwater Technology (The)
Report and Financial Statements
for the year ended 30 June 2022

Company Number 00932590
Registered Charity 256659
Scottish Charity Number: SC043942

Society for Underwater Technology (The)
Financial Statements for the year ended
30 June 2022

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Society for Underwater Technology (The)
Financial Statements for the year ended
30 June 2022

Legal and Administrative Information

The Council Members, who are the Trustees for the purpose of Charity Law, and also the Directors and Members for the purpose of Company Law, present their Report together with the Financial Statements for the year ended 30 June 2022.

President:	M Crawford
Chair and Vice President:	S John
Hon Treasurer:	N Carey
Hon Secretary:	I Knight
Chief Executive (CEO):	C A Burgess
Registered Office:	HQS Wellington Victoria Embankment London WC2R 2PN
Registered Charity:	256659
Company Number:	00932590
Independent Examiner:	Nunn Hayward LLP 2-4 Packhorse Road Gerrards Cross Buckinghamshire SL9 7QE
Principal Bankers:	Barclays Bank plc and Bank of Scotland plc
Solicitors:	Gordons Partnership 22 Great James Street London WC1N 3ES

Society for Underwater Technology (The)
Chairman's Report
30 June 2022

In my first report as SUT Chair I have had to look backward over the last year of the Society's activities as well as to the future. Covid has changed the world, and how we work. Through the everyday use of Zoom and Teams conference calls; podcasts; webinars and virtual training courses the Society has become more engaged and globally accessible.

Facing differing Covid-related restrictions, our international affiliates (referred to within SUT colloquially as Branches) have been working hard to build their communities and activities. Some have been able to carry on as normal, delivering in person training and events, while others were under severe restrictions. This has been reflected in the differing levels of activities and in collected income. Our events were also hit by the high level of uncertainty of different travel restrictions around the world. But, at last, I can report that nearly all of the SUT is back engaging with members, delivering events, activities and meeting in person .

During the 'working from home' period of Covid the UK training committee put together a set of virtual courses. These included our popular Subsea Awareness course from the UK, now available as an online training course, the creation of the new Offshore Wind Renewable Energy course and a revival of the Introduction to Offshore Geophysics and Geotechnical Engineering. These courses were well received by the delegates from the UK and internationally. I am pleased to report that numbers of delegates for SUT training have surpassed pre-Covid numbers. These courses deliver valuable information, education and training to member and non-member workforces as well as providing income to the SUT. Course numbers also demonstrate the ongoing interest and need for training across SUT sectors and industries. My thanks to all the volunteer members who participated in the organisation, presentation and delivery of these courses.

Aberdeen's hard work and perseverance, paid off in September 2022 with the successful first delivery of an in-person Subsea Awareness course that could be held in the UK since 2020 with 10 delegates.

Perth, Western Australia, held a very successful annual Golf Day with over 100 delegates in near perfect weather conditions. The Golf Day is one of many social and technical events Perth was able to run over the last year. Houston Branch were able to carry on as normal delivering social, technical and educational programme to students and members. Meanwhile, Singapore held their first technical evening in two and half years.

I am also pleased to report that all affiliates with existing educational support programmes and commitments were able to continue to deliver these through their financial Educational Support commitments.

In order to raise awareness of the Society and also further its educational aims, SUT attended Ocean Business Exhibition 2022 at Southampton. We will have a stand at this year's event in April 2023. Please come and visit if you are in Southampton.

We had a very successful Oceanology International Conference, 15-17 March 2022, at the ExCel, where the Captain Don Walsh award was presented to Victor Vescovo and Patrick Lahey. Preceding the conference Don, Victor & Patrick were the main event at the Royal Institution, London, speaking on Into the Abyss: Exploring the deepest realms of the world's oceans.

The 2022 Don Walsh Award was presented jointly with the Marine Technology Society (MTS) The award is part of a joint working agreement with MTS. This also includes the joint publication of UT2, & Underwater Robotics, and delivering the opportunity for SUT and MTS members to apply for certification on the Marine Technologist and Marine Scientist Registers under licence from IMarEST.

2023 sees the Society at Ocean Business, Offshore Europe, supporting Oceanology Americas, AOG, ADIPEC. The 9th International SUT OSIG Conference, Innovation Geotechnologies for Energy Transition will take place in London. I hope you are able to join us at this major calendar event.

The SUT continues to focus on increasing both our corporate and individual membership. If you know of any lapsed members, please encourage them to re-join us and become involved in one of our many special interest groups.

Members of the Society are also our volunteers, all of you this last year have been the backbone of the SUT. I would like to thank the all the members of the SUT who volunteer: Executive, Council, Branches, Special Interest Groups and Committees. On behalf of the myself and The Society I would like to thank the SUT staff in the UK, USA and Australia for all of your hard work keeping the Society going.

I look forward to meeting and hearing from more members in the future.

S John
Chair of the Council

27 October 2022

STRUCTURE, GOVERNANCE AND MANAGEMENT

The Society's governing document is the Memorandum and Articles of Association and its full name is the Society for Underwater Technology Limited. The Society is a registered company limited by guarantee and a registered charity.

Council Members and their Interests

The Members serving on the Council throughout the year were as follows:

Dr A M Atmanand	T Griffiths	R MacDonald
D A Brookes (resigned 31 Dec 2021)	Prof Gwyn Griffiths (resigned 31 Dec 2021)	D M Saul
N Carey (appointed 6 Dec 2021)	S John	N J Swift
M R Cook (resigned 31 Dec 2021)	S Johnson (resigned 31 Dec 2021)	Dr J Morgan
A Connelly	Dr D W Kirkley (resigned 31 Dec 2021)	J A I Patten
M Crawford (appointed 6 Dec 2021)	I Knight	Prof R F Rayner
S Elkhatib (appointed 6 Dec 2021)	R Luff	

None of the Members of the Council has any financial interest in the Society that requires disclosure under the Companies Act 2006. For Related Party transactions please see notes 11 and 20.

Council Members are appointed for three years by a ballot among members of the Society (members comprising the classes of Fellow, Individual Member and Corporate Member), and are drawn from among these Members. Candidates must be proposed and seconded by any two other Members. Ballot forms must be sent to Members twenty-eight days before the election, which is by simple majority, and this shall take place seven days before the Annual General Meeting. Those elected shall hold office from the conclusion of this Annual General Meeting. At the end of three years, a Council Member may stand for re-election, but no Member of Council may serve for more than six consecutive years.

New Council Members are not provided with a formal induction pack following their election but, are briefed verbally at the first meeting.

Organisational Structure

A Board of Trustees (The Council) of up to or similar to 18 members, who meet quarterly, administer the Society. A Chief Executive (CEO), who's not a trustee, is appointed by The Council to manage the day-to-day operations of the Society.

Branches of the Society are established under the authority of Council in accordance with the Memorandum and Articles of the Society. They will have their own organising committee with elected officers.

The results of branches of the Society whereby the UK charity either has control, or the branch is not deemed to be administratively autonomous are consolidated in the Financial Statements.

Details of remuneration of key management personnel are disclosed in note 11. Remuneration levels for key management personnel and other employees are set by the Executive Committee, whose members are set out on page 1. The overall gross salary allowance as presented in the budget is then ratified by the full Council.

OBJECTIVES AND ACTIVITIES

The Society is principally engaged in the promotion of awareness in all aspects related to underwater technology. Its Mission and Strategic Vision are described as follows:

Mission

The Society for Underwater Technology (SUT) is an international body actively promoting the development, dissemination and exchange of ideas, information and technology arising from or related to the underwater environment.

Strategic Vision

To maintain and develop SUT as the foremost society worldwide focusing on underwater technology, building on a reputation for high standards in publications, conferences and training courses; having a growing membership in the UK and abroad; and having significant influence with government and industry in relevant policy areas, and encouraging people to attain suitable qualifications and enter the field of underwater technology.

Public Benefit
In keeping with the Charity Commission's key principles that there must be an identifiable benefit to the public or a section of the public, the Society has undertaken the following activities during this financial year:

- It has supported 5 undergraduate students on relevant courses at a total cost of £10,000 (2021: £8,000).

- Provided free of charge, to both members and non-members, the most highly acclaimed on-line magazine in the field of underwater technology and sub-sea engineering, entitled UT^3.

- The Society would usually provide a free Christmas lecture programme for schools. Once again, in 2021 this has not been possible because of the restrictions in place due to the Covid19 pandemic.

- Provided high quality subsidised training courses for industry.

Grant Making Policy
Grants are awarded to high-quality students at either undergraduate or postgraduate (one-year taught MSc) level undertaking courses relevant to the area of interest of the Society with the aim of encouraging more entrants to the marine disciplines.

STRATEGIC REPORT

Achievements and Performance
We have referred to the guidance contained in the Charity Commission's general guidance on public benefit when reviewing our aims and objectives and in planning our future activities.

The Unrestricted Funds of the Society were reduced by £7,025 after allowing for £11,501 in losses on investments and £12,450 expended for grants and awards. Please also refer to the Chairman's Report.

Financial Review

Reserves Policy
Free reserves are established and reviewed to ensure that the Society retains a level of funds to meet its forward obligations and to ensure it can reasonably maintain a level of service in line with its objectives. The Council Members consider this to be approximately 50% of average annual expected expenditure.

Educational Support Fund
At events organised by the Society collections are taken-up in favour of the 'Educational Support Fund' which was a historic fund, now expended, used to pay grants to under and post graduates. All monies collected in the name of this fund during a given year are fully expended on grants made within that financial year and, therefore, there is no balance sheet reserve in this name.

Investments
There are no formal restrictions on the investments made by the Society.

Plans for Future Periods
Please refer to the Chairman's Report for future plans and developments.

Principal Risks and Uncertainties
The Council Members actively review the major risks which the charity faces and confirm that they have established systems to mitigate the significant risks.

Operational Risk
These systems are being put into a more formalised structure and are designed to reduce the likelihood of the risk and to lessen the impact on the Society should those risks materialise. Key risks at present are assessed as being associated with the Society's necessary global expansion and the concomitant development of IT structures to support this. However, no reason is seen to amend further the Reserves Policy as detailed above.

Principal Risks and Uncertainties continued

Financial Risk

The Members remain cautious in terms of the Society's investment strategy and are satisfied they have taken appropriate steps to ensure that reserves are not placed at any undue risk. During the period and at the Balance Sheet date, the majority of balances held at bank were held in either current or deposit accounts with High Street banks. The make-up of fixed asset investments is given in note 14 of the Financial Statements. The majority of these investments are placed in two Charities Official Investment Funds.

Going concern

The Council Members have given due consideration to the ability of The Society to continue as a going concern.

FY2022 has returned a small deficit which has arisen due to the unrealised loss on the revaluation of the investments. 30 June 2022 was the low point during the year for the investment value. By 23 August it improved and there was an unrealised gain of £18,221 on the investment.

After unrealised losses on investments have been calculated the net assets of The Society decreased by £7,025 to £292,789.

The Society's core income streams have all continued to recover after the impact of the COVID19 pandemic; with individual and corporate membership income increasing together with that of conferences and seminars. As was expected the donations received have decreased due to a large one-off donation having been received in FY2021.

The Society has successfully managed its costs in FY2022. Other charitable expenditure in note 8 has been reduced by £47,950.

We expect the upward trend on core income to continue and The Society continues to meet its minimum reserves policy of holding fifty percent of the expected next year's expenditure in reserves

The Members are, therefore, satisfied that the going concern basis remains appropriate.

FUNDS HELD AS CUSTODIAN TRUSTEE ON BEHALF OF OTHERS

No funds are held as custodian trustee on behalf of the others.

STATEMENT OF COUNCIL MEMBERS' RESPONSIBILITIES

The Council Members are responsible for preparing the Report and the Financial Statements in accordance with applicable law and regulations.

Company Law requires the Council Members to prepare financial statements for each financial year. Under that law the Council Members have elected to prepare the financial statements in accordance with United Kingdom Generally Accepted Accounting Practice (United Kingdom Accounting Standards and applicable law). Under company law the Council Members must not approve the financial statements unless they are satisfied that they give a true and fair view of the state of affairs of the Society and of the surplus and deficit of the Society for that period. In preparing these financial statements, the Council Members are required to:

- observe the methods and principles in the Charities SORP;
- select suitable accounting policies and then apply them consistently;
- make judgements and accounting estimates that are reasonable and prudent;
- state whether applicable UK Accounting Standards have been followed, subject to any material departures disclosed and explained in the financial statements;
- prepare the financial statements on the going concern basis unless it is inappropriate to presume that the Society will continue its activities.

The Council Members are responsible for keeping adequate accounting records that are sufficient to show and explain the Society's transactions and disclose with reasonable accuracy at any time the financial position of the Society and enable them to ensure that the financial statements comply with the Companies Act 2006. They are also responsible for safeguarding the assets of the Society and hence for taking reasonable steps for the prevention and detection of fraud and other irregularities.

STATEMENT AS TO DISCLOSURE OF INFORMATION TO INDEPENDENT EXAMINER

So far as each person who was a Council Members at the date of approving this report is aware, there is no relevant information of which the Society's Independent Examiner is unaware. Additionally, each Council Member has taken all the necessary steps that they ought to have taken as a Council Member in order to make themselves aware of all relevant information and to establish that the Society's Independent Examiner is aware of that information.

This report has been prepared having taken advantage of the small companies exemption in the Companies Act 2006.

On behalf of the Council

S John
Chair of the Council

N Carey
Honorary Treasurer

Dated: 27 October 2022

Independent Examiner's Report to the Trustees of
Society for Underwater Technology (The)
30 June 2022

I report on the accounts for the trustees on my examination of the accounts of Society for Underwater Technology for the year ended 30 June 2022 as set out on pages 2.8 to 2.20.

Responsibilities and basis of report
As the charity trustees, you are responsible for the preparation of the accounts in accordance with the Charities Act 2011 (the Act); the Charities and Trustee Investment (Scotland) Act 2005 and regulations 6 and 8 of the Charities Accounts (Scotland) Regulations 2006 (as amended).

I report in respect of my examination of the Charity's accounts carried out under section 145 of the 2011 Act and in carrying out my examination I have followed all the applicable Directions given by the Charity Commission under section 145(5)(b) of the Act.

Independent Examiner's statement
The Society's gross income exceeded £250,000 and I am qualified to undertake the examination by being a qualified member of the Association of Certified Chartered Accountants.

I have completed my examination. I confirm that no material matters have come to my attention in connection with the examination which gives me cause to believe that in any material respect:

- The accounting records were not kept in accordance with section 130 of the Act; or
- The accounts did not accord with the accounting records; or
- The accounts did not comply with the applicable requirements concerning the form and content of accounts set out in the Charities (Accounts and Reports) Regulations 2008 other than any requirement that the accounts give a true and fair view which is not a matter considered as part of an independent examination.

I have no concerns and have come across no matters in connection with the examination to which attention should be drawn in this report in order to enable a proper understanding of the accounts to be reached.

Tom Lacey FCCA
Nunn Hayward LLP
Chartered Accountants
2-4 Packhorse Road
Gerrards Cross
Buckinghamshire
SL9 7QE

Date:

Society for Underwater Technology (The)
Statement of Financial Activities
(Incorporating the Income and Expenditure Account)
For the year ended 30 June 2022

	Note	Unrestricte Funds 2022		Restricte	
Income					
Donations and legacies	2	2,583	1,322	3,905	53,554
Income from charitable activities:					
Memberships, conferences and events	3	263,460		263,460	195,357
Income from other activities:					
Other incoming resources	5	1,909		1,909	63,820
Investment income	6	6,142		6,142	5,972
Total income		£274,094	1,322	£275,416	£318,70
Expenditure					
Expenditure on charitable activities:					
Charitable activities	7	269,618	(1,322)	270,940	315,140
Total expenditure		£269,618		£270,940	£315,14
Net income before gains / (losses) on investments		4,476		4,476	3,563
Net gains / (losses) on investments	14.3	(11,501)		(11,501)	28,175
Net income / (expenditure)		(7,025)		(7,025)	31,738
Transfers between funds					
Net Movement in Funds		(7,025)		(7,025)	31,738
Reconciliation of funds					
Total funds brought forward		299,814		299,814	268,076
Total funds carried forward		292,789		292,789	£299,81

Net income is derived from continuing operations for the above two financial years.

All gains and losses recognised in the year are included above.

The notes on pages 2-10 to 2-20 form part of these financial statements

Society for Underwater Technology (The)
Balance Sheet
As at 30 June 2022

	Note	2022		2021	
		£	£	£	£
Fixed assets					
Tangible assets	13		1,354		2,614
Investments	14		207,866		219,367
			209,220		221,981
Current assets					
Publications stock	15	9,850		9,985	
Debtors	16	51,336		34,869	
Cash at bank and in hand		45,473		62,692	
		106,659		107,546	
Creditors: Amounts falling due within one year	17	(23,090)		(29,713)	
Net current assets			83,569		77,833
Net assets			£292,789		£ 299,814
Funds of the charity:					
Unrestricted income funds			292,789		299,814
Total charity funds			£292,789		£ 299,814

Total funds as stated above include a Fair Value Reserve of £166,101 (2021: £177,602) (see note 14.3).

The Council Members acknowledge their responsibilities for:

(a) ensuring that the company keeps accounting records which comply with Sections 386 and 387 of the Companies Act 2006; and

(b) preparing financial statements which give a true and fair view of the state of affairs of the company as at the end of each financial year and of its profit or loss for each financial year in accordance with the requirements of Sections 394 and 395 and which otherwise comply with the requirements of the Companies Act 2006 relating to financial statements so far as applicable to the company.

The company is entitled to exemption from audit under Section 477 of the Companies Act 2006 relating to small companies for the year ended 30 June 2022.

The members have not required the company to obtain an audit of its financial statements for the year ended 30 June 2022 in accordance with section 476 of the Companies Act 2006.

The financial statements have been prepared in accordance with the provisions applicable to companies subject to the small companies' regime.

Approved by the Council on 27 October 2022 and signed on its behalf by:

S John
Chair of the Council
Company Number: 00932590
Registered Charity Number: 256659

N Carey
Honorary Treasurer

The notes on pages 2-10 to 2-20 form part of these financial statements.

Society for Underwater Technology (The)
Notes to the Financial Statements
For the year ended 30 June 2022

1. Accounting policies

Company information

Society for Underwater Technology (the charity) is a private company limited by guarantee and domiciled in England and Wales. The charity's registered numbers and registered office address can be found on page 1 of these accounts. The company does not have a fixed place of business, all employees work remotely.

The principle accounting policies adopted, judgements and key sources of estimation uncertainty in the preparation of the financial statements are as follows:

a) **Basis of preparation**

The financial statements have been prepared in accordance with the Statement of Recommended Practice: Accounting and Reporting by Charities preparing their accounts in accordance with the Financial Reporting Standard applicable in the UK and Republic of Ireland (FRS 102) issued in October 2019 and the Financial Reporting Standard applicable in the UK and Republic of Ireland (FRS 102), Charities Act 2011, Companies Act 2006, the Charities and Trustee Investment (Scotland) Act 2005 and the Charities Accounts (Scotland) Regulations 2006 (as amended) and UK Generally Accepted Practice as it applies from 1 January 2019.

Society for Underwater Technology meets the definition of a public benefit entity under FRS 102. Assets and liabilities are initially recognised at historical cost or transaction value unless otherwise stated in the relevant accounting policy note(s).

The legal and actual status of affiliated operations is periodically assessed by the charity. As a result the charity concludes that the operations in Perth (Australia), Houston (USA), Melbourne (Australia), West Africa, Rio de Janeiro (Brazil), Singapore and Beijing (China) do not qualify as subsidiaries under the Companies Acts 2006 or as branches under the guidance laid out by the Charities SORP (FRS 102). The detailed review of the constitutions and operations concluded that they are administratively autonomous and should therefore not be consolidated. The Society for Underwater Technology Norway NUF was established as a Norwegian branch of a foreign enterprise (NUF). The constitution of this operation varies from those mentioned above and it qualifies as a branch under the Charities SORP (FRS 102) as a result is treated as a subsidiary. The Society has taken advantage of the exemption from preparing group accounts as per SORP FRS102 S.24.6 Appendix 3 A.11.

The presentation currency is £ Sterling rounded to nearest £1.

The financial statements have been prepared under the historical cost convention.

b) **Preparation of the accounts on a going concern basis**

The Council Members have given due consideration to the ability of The Society to continue as a going concern.

FY2022 has returned a small deficit which has arisen due to the unrealised loss on the revaluation of the investments. 30 June 2022 was the low point during the year for the investment value. By 23 August it improved and there was an unrealised gain of £18,221 on the investment.

After unrealised losses on investments have been calculated the net assets of The Society decreased by £7,025 to £292,789.

The Society's core income streams have all continued to recover after the impact of the COVID19 pandemic; with individual and corporate membership income increasing together with that of conferences and seminars. As was expected the donations received have decreased due to a large one-off donation having been received in FY2021.

The Society has successfully managed its costs in FY2022. Other charitable expenditure in note 8 has been reduced by £47,950.

We expect the upward trend on core income to continue and The Society continues to meet its minimum reserves policy of holding fifty percent of the expected next year's expenditure in reserves.

The Members are, therefore, satisfied that the going concern basis remains appropriate.

1. Accounting policies – cont'd

c) **Fund accounting**
The principles of fund accounting, as described in the Statement of Recommended Practice, Accounting and Reporting by Charities: the Charities SORP (FRS 102), have been applied in the preparation of these financial statements.

Funds held by the Society are either:

Unrestricted general funds
These are funds which can be used in accordance with the charitable objects at the discretion of the Trustees.

Designated general funds
The Society has designated general funds which it applies to the provision of the awards made to students. Monies that are designated by the Council Members can be moved back within the unrestricted general funds should the Council Members so decide.

Restricted funds
These funds can only be used for this purpose within the objects of the Society. The Society's restricted funds were all fully expended during the year and, therefore, there is no fund analysis relating to balance sheet values at the year end.

d) **Tangible fixed assets**
Assets are capitalised at cost when the economic benefit of ownership will spread over a number of years.

Depreciation is provided on tangible fixed assets at rates calculated to write off the cost less estimated residual value of each asset evenly over its expected useful life as follows:

Office furniture and equipment	20% reducing balance
Computer	33% straight line

e) **Publications stock**
Stock is valued at the lower of net realisable value and cost. Cost is valued on a first in first out basis.

f) **Investments**
Investments are valued at the prevailing market price as at the Balance Sheet date. Realised and unrealised gains (or losses) are reflected in the Statement of Financial Activities in the year in which they occur. No distinction is made between realised and unrealised gains in the Statement of Financial Activities as the Trustees consider that the disclosure of total gains/losses show a truer and fairer view.

g) **Debtors**
Debtors are recognised at the settlement amount due less any provisions for doubtful debts.

Prepayments are valued at the amount prepaid, calculated on a month-by-month basis.

h) **Creditors**
Creditors are recognised where the Society has a present obligation resulting from a past event that will probably result in the transfer of funds to a third party and the amount due to settle the obligation can be measured or estimated reliably. Creditors are normally recognised at their settlement amount.

i) **Voluntary income**
Voluntary income is recognised on receipt.

j) **Events Income**
Events income is included when receivable.

k) **Subscriptions**
Membership subscriptions are accounted for on a receivable basis.

2. **Accounting policies – cont'd**

l) **Grants Payable**
Grants payable are charged against income upon approval of the grant, in so far as the grant is payable from current resources.

m) **Expenditure**
Charitable activities represent all costs incurred by the Society in meeting its charitable objectives.

Governance costs are incurred in connection with the management and administration of the charity. These include central management and administration costs, organisational costs and costs incurred to ensure compliance with constitutional and statutory requirements.

Each natural category of costs is considered individually and allocated on a percentage basis by function.

n) **Operating Leases**
Operating lease rentals are charged to the profit and loss account as incurred.

o) **Foreign Currencies**
Assets and liabilities denominated in foreign currencies are translated at the rate of exchange ruling at the Balance Sheet date. Transactions are translated at the rate of exchange ruling at the date of the transaction. All exchange differences are reflected in the Statement of Financial Activities.

p) **Redundancy payments**
Redundancy payments due to employees for termination of employment during the year are fully recognised in the current financial year.

q) **Government grants receivable**
Government grants are recognised when there is reasonable assurance that the grant conditions will be met and that the grants will be received.

2. Income from donations and legacies

	Unrestricted Funds £	Restricted Funds £	Total 2022 £	2021 £
General donations	2,583	1,322	3,905	53,554
ESF Donations	-	-	-	-
	£2,583	1,322	£3,905	£ 53,554

3. Income from charitable activities

	Note	2022	2021
Membership subscriptions	3.1	172,851	157,547
Conferences and seminars	4	85,412	31,309
Publications, journals, newsletters and educational products		5,197	6,500
		£ 263,460	£ 195,357

3.1 Membership subscriptions

	2022 £	2021 £
Corporate members	131,584	118,115
Individual members	41,267	39,432

	£ 172,851	£ 157,547

4. Conferences and seminars

	2022			2021		
	Fees	Direct Costs	Surplus/ (Deficit)	Fees	Direct Costs	Surplus/ (Deficit)
	£	£	£	£	£	£
Courses						
Offshore wind renewable energy	-	-	-	5,670	400	5,270
Offshore wind October 2021	6,770	400	6,370	-	-	-
Offshore wind March 2022	10,090	-	10,090	-	-	-
OSIG Introduction to Offshore Geophysics	17,645	71	17,574	-	-	-
OSIG energy in transitions	18,760	9,597	9,163	-	37	(37)
OSIG Geoforum	3,454	2,887	567	-	-	-
VASC September 2021	12,512	-	12,512	-	-	-
VASC May 2022	8,905	-	8,905	-	-	-
Non-metallic composites	370	-	370	-	-	-
Subsea equipment insurance	641	-	641	-	-	-
Conferences and workshops						
All Energy	2,500	-	2500	-	-	-
SUT/Masts Workshop	2,000	1,137	863	2,450	780	1,670
Sponsorship	-	-	-	2,350	-	2,350
Webinar profit share	-	-	-	1,647	-	1,647
Decom series				964	148	816
Other events						
Annual General Meeting	33	1,210	(1,177)	-	-	-
Branch activities						
Aberdeen						
Subsea Awareness	-	-	-	5,100	-	5,100
Evening Meetings	-	(106)	106	-	548	(548)
Breakfast Meeting	-	-	-	258	31	227
VSAC June 2021	-	-	-	12,870	-	12,870
Gadgets & Widgets	1,348	290	1,058	-	-	-
A Life less ordinary	384	267	117	-	-	-
SUT @ spin	-	163	(163)			
	£85,412	£15,916	£69,496	£31,309	£1,944	£29,365

5. Other income

	Unrestricted Funds	Restricted Funds	Total 2022	2021
	£	£	£	£
Sundry income	159	-	159	135
Job retention scheme*	0	-	-	26,425
VAT recoverable	0	-	-	19,260
Fees for services	0	-	-	18,000
Awards & prizes	1,750	-	1,750	-
	£1,909	£ -	£1,909	£ 63,820

*Government grant income (all conditions satisfied).

6. Investment income

	2022	2021
	£	£
Charities Official Investment Fund		
Dividends received	6,115	5,958
NSB Investment Account		
Interest received		-
Bank interest	27	
Interest received		14
	£6,142	£ 5,972

7. Analysis of expenditure on charitable activities

	Note	Unrestricted Funds	Restricted Funds	Total 2022	2021
		£	£	£	£
Direct charitable expenditure					
Grants payable to individuals	8	11,128	1,322	12,450	8,700
Other direct charitable expenditure	9	258,490	-	258,490	306,440
		£269,618	£1,322	£270,940	£ 315,140

8. Grants payable

	Unrestricted Funds	Restricted Funds	Total 2022	2021
	£	£	£	£
Undergraduates	8,678	1,322	10,000	8,000
Postgraduates	-	-	-	-
Awards	2,450		2,450	700
	£ 11,128	£ 1,322	£12,450	£ 8,700

9. Other direct charitable expenditure

	Unrestricted Funds £	Restricted Funds £	Total 2022 £	2021 £
Accountancy	6,451	-	6,451	7,644
Examiner's/Auditor's remuneration	3,000	-	3,000	3,000
Bad debts	-	-	-	-
Bank charges	3,266	-	3,266	3,069
Conferences and seminars (Note 4)	15,916	-	15,916	1,944
Publications, journals and newsletters	5,082	-	5,082	7,075
Committee expenses	-	-	-	-
Computer maintenance	13,391	-	13,391	12,583
Depreciation	1,568	-	1,568	2,657
Disposal of assets	-	-	-	-
IMAST licence fee	5,798	-	5,798	-
Insurance	1,749	-	1,749	3,278
Lease of equipment	-	-	-	735
Marketing and advertising	11,052	-	11,052	945
Postage	446	-	446	581
Professional fees	270	-	270	17,241
Rent, rates, light and heat	1,793	-	1,793	33,437
Staff recruitment and raining	-	-	-	1,950
Salaries	179,121	-	179,121	201,493
Stationery and office expenses	7,725	-	7,725	7,353
Subscriptions	453	-	453	213
Telephone	1,409	-	1,409	1,242
	£258,490	£-	£258,490	£ 306,440

10. Analysis of support and governance costs

The charity initially identifies the costs of its support functions. It then identifies those costs which relate to the governance function. The table shown overleaf details the analysis of these support and governance functions. These values are included in the costs shown in note 9.

	General Support £	Governance Function £	Total £	Basis of apportionment £
Independent examination fee	-	3,000	3,000	Wholly attributable
Accountancy fee to IE	-	6,451	6,451	Wholly attributable
Bank charges	3,266	-	3,266	Wholly attributable
Committee expenses	-	-	-	Usage allocation
Computer maintenance	4,017	-	4,017	Allocated on time
Depreciation	470	-	470	Allocated on time
Insurance	525	-	525	Allocated on time
Postage	40	-	40	Usage allocation
Professional fees	270	-	270	Wholly attributable
Rent, rates and heat and light	538	-	538	Allocated on time
Salaries	53,736	-	53,736	Allocated on time
Stationery and office expenses	1,546	-	1,546	Usage allocation
Subscriptions	227	-	227	Apportioned equally
Telephone	423	-	423	Usage allocation
Marketing	5,526	-	5,526	Apportioned equally
	£70,584	£9,451	£80,035	

Where not otherwise stated, support costs as shown above have been calculated on a pro rata basis in line with the staff salaries allocation.

11. Staff costs

	2022	2021
	£	£
Staff costs:		
Wages and salaries	161,335	181,369
Social security costs	12,948	13,699
Defined contribution pensions	4,838	5,058
Other staff costs	-	1,367
	£179,121	£ 201,493

The average number of employees, analysed by function was:

	2022	2021
Direct charitable activities	2	2
Management and administration of the charity	2	2

The Trustees did not receive any remuneration or reimbursed expenses during the year (2021: £nil)

Total employee benefits of key management personnel amounted to £75,274 (2021: £78,883).

Employees earning more than £60,000 during the year:

	2022	2021
£60,001 - £70,000	1	-
£70,001 - £80,000	-	-

12. Taxation

The Society is a registered charity and, therefore, no tax liability arises on the results for the year to the extent that income and gains are applied to the Society's charitable objects.

13. Tangible fixed assets

	Office furniture and equipment	Computers	Total
	£	£	£
Cost			
As at 1 July 2021	4,477	44,736	49,213
Additions		309	309
Disposals	-	-	-
As at 30 June 2022	4,477	45,045	49,522
Depreciation			
As at 1 July 2021	3,091	43,508	46,599
Charge for the year			
On disposals	686	883	1,569
As at 30 June 2022	3,777	44,391	48,168
Net book value at 30 June 2022	£ 700	£ 654	£ 1,354
Net book value at 30 June 2021	£ 1,386	£ 1,228	£ 2,614

14. Fixed assets investments

14.1 Summary

	2022		2021	
	£ Cost	£ Valuation	£ Cost	£ Valuation
a) Charities Official Investment Fund	39,659	207,510	39,659	218,970
b) NSB investment account			-	-
c) Listed investments	2,106	356	2,106	397
	£ 41,765	£207,866	£ 41,765	£ 219,367

14.2 Movements on investments

	2022 £	2021 £
Market value at 30 June 2021	219,367	191,192
Transfers/Disposals	-	-
(Loss)/Gain on revaluation	(11,501)	28,175
Interest on NSB	-	-
Market value at 30 June 2022	£ 207,866	£ 219,367

14.3 Reconciliation of movement in unrealised gains on investment assets

	2022 £	2021 £
Unrealised gains at 30 June 2021	177,602	149,427
Realised gain on disposal		-
Unrealised (losses)/gains in year	(11,501)	28,175
Unrealised gains at 30 June 2022	£ 166,101	£ 177,602

15. Publications stock

	2022	2021
Books for resale	£ 9,850	£ 9,985

16. Debtors

	2022 £	2021 £
Trade debtors	13,204	3,826
Amounts owed by group undertakings	3,252	3,252
VAT	6,385	17,979
Prepayments and accrued income	28,495	4,889
Other debtors	0	4,923
	£ 51,336	£ 34,869

17. Creditors: Amounts falling due within one year

	2022 £	2021 £
Trade creditors	2,777	1,864
Deferred income	4,507	12,829
Social Security and other taxes	956	603
Accruals	9,020	9,821
Other creditors	5,830	4,596
	£23,090	£29,713

17.1 Deferred income included in creditors due within one year

	2022 £	2021 £
Opening balance as at 1 July 2021	12,829	8,332
Deferred in the year	4,507	12,829
Released in the year	(12,829)	(8,332)
Closing balance as at 30 June 2022	£4,507	£ 12,829

Income is deferred when it has been either invoiced or received in the current financial year but relates to future periods.

18. Limited liability of members

In accordance with the Memorandum and Articles of Association, Fellows, Individual Members and Corporate Members (but not Associate Members and Student Members) are deemed to be Members of the Society within the context and as such have a limited liability of £5 per member in the event of the Society being wound up.

19. Fair value reserve

The unrealised gains table shown in note 14.3 represent the value of the Fair value reserve held within the General Fund.

20. Related party transactions

The total amount of donations received without conditions from trustees during the year was £218.
Key management personnel remuneration is disclosed at note 11.
There are no other disclosable related party transactions during the year.

21. Restricted funds

	Balance 30 June 2021 Restated	Incoming Resources	Movement in Fund Expenditure and Gains/(losses)	Transfers	Balance 30 June 2022
Society for Underwater Technology Educational Support Fund	-	1,322	(1,322)	-	-

The Education Support Fund was established to provide educational grants to students. The original restricted funds have all been expended. The Society continues to collect small amounts for the fund during the year at events and through the Just Giving platform. The amounts collected during the year are fully expended during the year.

22. Comparative Statement of Financial Activity

	Note	Unrestricte Funds 2021	Restricte	Total 2020 £
Income				
Donations and legacies	2	53,554	53,554	25,456
Income from charitable activities:				
Memberships, conferences and events	3	195,357	195,357	344,172
Income from other activities:				
Other incoming resources		68,820	68,820	16,501
Investment income	6	5,972	5,972	6,578
Total income		£318,703	£ 318,703	£ 392,707
Expenditure				
Expenditure on charitable activities:				
Charitable activities	7	315,140	315,140	442,335
Total expenditure		£315,140	£315,140	£442,335
Net income / (expenditure) before gains / (losses) on investments		3,563	3,563	(49,628)
Net gains / (losses) on investments	14.3	28,175	28,175	6,946
Net income / (expenditure)		31,738	31,738	(42,682)
Transfers between funds				
Net Movement in Funds		31,738	31,738	(42,682)
Reconciliation of funds				
Total funds brought forward		268,076	268,076	310,758
Total funds carried forward		£ 299,814	£ 299,814	£ 268,076

Society for Underwater Technology (The)
Report and Financial Statements
for the year ended 30 June 2022

Company Number 00932590
Registered Charity 256659
Scottish Charity Number: SC043942

Society for Underwater Technology (The)
Financial Statements for the year ended
30 June 2022

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Society for Underwater Technology (The)
Financial Statements for the year ended
30 June 2022

Legal and Administrative Information

The Council Members, who are the Trustees for the purpose of Charity Law, and also the Directors and Members for the purpose of Company Law, present their Report together with the Financial Statements for the year ended 30 June 2022.

President:	M Crawford
Chair and Vice President:	S John
Hon Treasurer:	N Carey
Hon Secretary:	I Knight
Chief Executive (CEO):	C A Burgess
Registered Office:	HQS Wellington Victoria Embankment London WC2R 2PN
Registered Charity:	256659
Company Number:	00932590
Independent Examiner:	Nunn Hayward LLP 2-4 Packhorse Road Gerrards Cross Buckinghamshire SL9 7QE
Principal Bankers:	Barclays Bank plc and Bank of Scotland plc
Solicitors:	Gordons Partnership 22 Great James Street London WC1N 3ES

Society for Underwater Technology (The)
Chairman's Report
30 June 2022

In my first report as SUT Chair I have had to look backward over the last year of the Society's activities as well as to the future. Covid has changed the world, and how we work. Through the everyday use of Zoom and Teams conference calls; podcasts; webinars and virtual training courses the Society has become more engaged and globally accessible.

Facing differing Covid-related restrictions, our international affiliates (referred to within SUT colloquially as Branches) have been working hard to build their communities and activities. Some have been able to carry on as normal, delivering in person training and events, while others were under severe restrictions. This has been reflected in the differing levels of activities and in collected income. Our events were also hit by the high level of uncertainty of different travel restrictions around the world. But, at last, I can report that nearly all of the SUT is back engaging with members, delivering events, activities and meeting in person .

During the 'working from home' period of Covid the UK training committee put together a set of virtual courses. These included our popular Subsea Awareness course from the UK, now available as an online training course, the creation of the new Offshore Wind Renewable Energy course and a revival of the Introduction to Offshore Geophysics and Geotechnical Engineering. These courses were well received by the delegates from the UK and internationally. I am pleased to report that numbers of delegates for SUT training have surpassed pre-Covid numbers. These courses deliver valuable information, education and training to member and non-member workforces as well as providing income to the SUT. Course numbers also demonstrate the ongoing interest and need for training across SUT sectors and industries. My thanks to all the volunteer members who participated in the organisation, presentation and delivery of these courses.

Aberdeen's hard work and perseverance, paid off in September 2022 with the successful first delivery of an in-person Subsea Awareness course that could be held in the UK since 2020 with 10 delegates.

Perth, Western Australia, held a very successful annual Golf Day with over 100 delegates in near perfect weather conditions. The Golf Day is one of many social and technical events Perth was able to run over the last year. Houston Branch were able to carry on as normal delivering social, technical and educational programme to students and members. Meanwhile, Singapore held their first technical evening in two and half years.

I am also pleased to report that all affiliates with existing educational support programmes and commitments were able to continue to deliver these through their financial Educational Support commitments.

In order to raise awareness of the Society and also further its educational aims, SUT attended Ocean Business Exhibition 2022 at Southampton. We will have a stand at this year's event in April 2023. Please come and visit if you are in Southampton.

We had a very successful Oceanology International Conference, 15-17 March 2022, at the ExCel, where the Captain Don Walsh award was presented to Victor Vescovo and Patrick Lahey. Preceding the conference Don, Victor & Patrick were the main event at the Royal Institution, London, speaking on Into the Abyss: Exploring the deepest realms of the world's oceans.

The 2022 Don Walsh Award was presented jointly with the Marine Technology Society (MTS) The award is part of a joint working agreement with MTS. This also includes the joint publication of UT2, & Underwater Robotics, and delivering the opportunity for SUT and MTS members to apply for certification on the Marine Technologist and Marine Scientist Registers under licence from IMarEST.

2023 sees the Society at Ocean Business, Offshore Europe, supporting Oceanology Americas, AOG, ADIPEC. The 9th International SUT OSIG Conference, Innovation Geotechnologies for Energy Transition will take place in London. I hope you are able to join us at this major calendar event.

The SUT continues to focus on increasing both our corporate and individual membership. If you know of any lapsed members, please encourage them to re-join us and become involved in one of our many special interest groups.

Members of the Society are also our volunteers, all of you this last year have been the backbone of the SUT. I would like to thank the all the members of the SUT who volunteer: Executive, Council, Branches, Special Interest Groups and Committees. On behalf of the myself and The Society I would like to thank the SUT staff in the UK, USA and Australia for all of your hard work keeping the Society going.

I look forward to meeting and hearing from more members in the future.

S John
Chair of the Council

27 October 2022

STRUCTURE, GOVERNANCE AND MANAGEMENT

The Society's governing document is the Memorandum and Articles of Association and its full name is the Society for Underwater Technology Limited. The Society is a registered company limited by guarantee and a registered charity.

Council Members and their Interests

The Members serving on the Council throughout the year were as follows:

Dr A M Atmanand	T Griffiths	R MacDonald
D A Brookes (resigned 31 Dec 2021)	Prof Gwyn Griffiths (resigned 31 Dec 2021)	D M Saul
N Carey (appointed 6 Dec 2021)	S John	N J Swift
M R Cook (resigned 31 Dec 2021)	S Johnson (resigned 31 Dec 2021)	Dr J Morgan
A Connelly	Dr D W Kirkley (resigned 31 Dec 2021)	J A I Patten
M Crawford (appointed 6 Dec 2021)	I Knight	Prof R F Rayner
S Elkhatib (appointed 6 Dec 2021)	R Luff	

None of the Members of the Council has any financial interest in the Society that requires disclosure under the Companies Act 2006. For Related Party transactions please see notes 11 and 20.

Council Members are appointed for three years by a ballot among members of the Society (members comprising the classes of Fellow, Individual Member and Corporate Member), and are drawn from among these Members. Candidates must be proposed and seconded by any two other Members. Ballot forms must be sent to Members twenty-eight days before the election, which is by simple majority, and this shall take place seven days before the Annual General Meeting. Those elected shall hold office from the conclusion of this Annual General Meeting. At the end of three years, a Council Member may stand for re-election, but no Member of Council may serve for more than six consecutive years.

New Council Members are not provided with a formal induction pack following their election but, are briefed verbally at the first meeting.

Organisational Structure

A Board of Trustees (The Council) of up to or similar to 18 members, who meet quarterly, administer the Society. A Chief Executive (CEO), who's not a trustee, is appointed by The Council to manage the day-to-day operations of the Society.

Branches of the Society are established under the authority of Council in accordance with the Memorandum and Articles of the Society. They will have their own organising committee with elected officers.

The results of branches of the Society whereby the UK charity either has control, or the branch is not deemed to be administratively autonomous are consolidated in the Financial Statements.

Details of remuneration of key management personnel are disclosed in note 11. Remuneration levels for key management personnel and other employees are set by the Executive Committee, whose members are set out on page 1. The overall gross salary allowance as presented in the budget is then ratified by the full Council.

OBJECTIVES AND ACTIVITIES

The Society is principally engaged in the promotion of awareness in all aspects related to underwater technology. Its Mission and Strategic Vision are described as follows:

Mission

The Society for Underwater Technology (SUT) is an international body actively promoting the development, dissemination and exchange of ideas, information and technology arising from or related to the underwater environment.

Strategic Vision

To maintain and develop SUT as the foremost society worldwide focusing on underwater technology, building on a reputation for high standards in publications, conferences and training courses; having a growing membership in the UK and abroad; and having significant influence with government and industry in relevant policy areas, and encouraging people to attain suitable qualifications and enter the field of underwater technology.

Public Benefit
In keeping with the Charity Commission's key principles that there must be an identifiable benefit to the public or a section of the public, the Society has undertaken the following activities during this financial year:

- It has supported 5 undergraduate students on relevant courses at a total cost of £10,000 (2021: £8,000).

- Provided free of charge, to both members and non-members, the most highly acclaimed on-line magazine in the field of underwater technology and sub-sea engineering, entitled UT^3.

- The Society would usually provide a free Christmas lecture programme for schools. Once again, in 2021 this has not been possible because of the restrictions in place due to the Covid19 pandemic.

- Provided high quality subsidised training courses for industry.

Grant Making Policy
Grants are awarded to high-quality students at either undergraduate or postgraduate (one-year taught MSc) level undertaking courses relevant to the area of interest of the Society with the aim of encouraging more entrants to the marine disciplines.

STRATEGIC REPORT

Achievements and Performance
We have referred to the guidance contained in the Charity Commission's general guidance on public benefit when reviewing our aims and objectives and in planning our future activities.

The Unrestricted Funds of the Society were reduced by £7,025 after allowing for £11,501 in losses on investments and £12,450 expended for grants and awards. Please also refer to the Chairman's Report.

Financial Review

Reserves Policy
Free reserves are established and reviewed to ensure that the Society retains a level of funds to meet its forward obligations and to ensure it can reasonably maintain a level of service in line with its objectives. The Council Members consider this to be approximately 50% of average annual expected expenditure.

Educational Support Fund
At events organised by the Society collections are taken-up in favour of the 'Educational Support Fund' which was a historic fund, now expended, used to pay grants to under and post graduates. All monies collected in the name of this fund during a given year are fully expended on grants made within that financial year and, therefore, there is no balance sheet reserve in this name.

Investments
There are no formal restrictions on the investments made by the Society.

Plans for Future Periods
Please refer to the Chairman's Report for future plans and developments.

Principal Risks and Uncertainties
The Council Members actively review the major risks which the charity faces and confirm that they have established systems to mitigate the significant risks.

Operational Risk
These systems are being put into a more formalised structure and are designed to reduce the likelihood of the risk and to lessen the impact on the Society should those risks materialise. Key risks at present are assessed as being associated with the Society's necessary global expansion and the concomitant development of IT structures to support this. However, no reason is seen to amend further the Reserves Policy as detailed above.

Principal Risks and Uncertainties continued

Financial Risk

The Members remain cautious in terms of the Society's investment strategy and are satisfied they have taken appropriate steps to ensure that reserves are not placed at any undue risk. During the period and at the Balance Sheet date, the majority of balances held at bank were held in either current or deposit accounts with High Street banks. The make-up of fixed asset investments is given in note 14 of the Financial Statements. The majority of these investments are placed in two Charities Official Investment Funds.

Going concern

The Council Members have given due consideration to the ability of The Society to continue as a going concern.

FY2022 has returned a small deficit which has arisen due to the unrealised loss on the revaluation of the investments. 30 June 2022 was the low point during the year for the investment value. By 23 August it improved and there was an unrealised gain of £18,221 on the investment.

After unrealised losses on investments have been calculated the net assets of The Society decreased by £7,025 to £292,789.

The Society's core income streams have all continued to recover after the impact of the COVID19 pandemic; with individual and corporate membership income increasing together with that of conferences and seminars. As was expected the donations received have decreased due to a large one-off donation having been received in FY2021.

The Society has successfully managed its costs in FY2022. Other charitable expenditure in note 8 has been reduced by £47,950.

We expect the upward trend on core income to continue and The Society continues to meet its minimum reserves policy of holding fifty percent of the expected next year's expenditure in reserves

The Members are, therefore, satisfied that the going concern basis remains appropriate.

FUNDS HELD AS CUSTODIAN TRUSTEE ON BEHALF OF OTHERS

No funds are held as custodian trustee on behalf of the others.

STATEMENT OF COUNCIL MEMBERS' RESPONSIBILITIES

The Council Members are responsible for preparing the Report and the Financial Statements in accordance with applicable law and regulations.

Company Law requires the Council Members to prepare financial statements for each financial year. Under that law the Council Members have elected to prepare the financial statements in accordance with United Kingdom Generally Accepted Accounting Practice (United Kingdom Accounting Standards and applicable law). Under company law the Council Members must not approve the financial statements unless they are satisfied that they give a true and fair view of the state of affairs of the Society and of the surplus and deficit of the Society for that period. In preparing these financial statements, the Council Members are required to:

- observe the methods and principles in the Charities SORP;
- select suitable accounting policies and then apply them consistently;
- make judgements and accounting estimates that are reasonable and prudent;
- state whether applicable UK Accounting Standards have been followed, subject to any material departures disclosed and explained in the financial statements;
- prepare the financial statements on the going concern basis unless it is inappropriate to presume that the Society will continue its activities.

The Council Members are responsible for keeping adequate accounting records that are sufficient to show and explain the Society's transactions and disclose with reasonable accuracy at any time the financial position of the Society and enable them to ensure that the financial statements comply with the Companies Act 2006. They are also responsible for safeguarding the assets of the Society and hence for taking reasonable steps for the prevention and detection of fraud and other irregularities.

STATEMENT AS TO DISCLOSURE OF INFORMATION TO INDEPENDENT EXAMINER

So far as each person who was a Council Members at the date of approving this report is aware, there is no relevant information of which the Society's Independent Examiner is unaware. Additionally, each Council Member has taken all the necessary steps that they ought to have taken as a Council Member in order to make themselves aware of all relevant information and to establish that the Society's Independent Examiner is aware of that information.

This report has been prepared having taken advantage of the small companies exemption in the Companies Act 2006.

On behalf of the Council

S John
Chair of the Council

N Carey
Honorary Treasurer

Dated: 27 October 2022

Independent Examiner's Report to the Trustees of
Society for Underwater Technology (The)
30 June 2022

I report on the accounts for the trustees on my examination of the accounts of Society for Underwater Technology for the year ended 30 June 2022 as set out on pages 2.8 to 2.20.

Responsibilities and basis of report
As the charity trustees, you are responsible for the preparation of the accounts in accordance with the Charities Act 2011 (the Act); the Charities and Trustee Investment (Scotland) Act 2005 and regulations 6 and 8 of the Charities Accounts (Scotland) Regulations 2006 (as amended).

I report in respect of my examination of the Charity's accounts carried out under section 145 of the 2011 Act and in carrying out my examination I have followed all the applicable Directions given by the Charity Commission under section 145(5)(b) of the Act.

Independent Examiner's statement
The Society's gross income exceeded £250,000 and I am qualified to undertake the examination by being a qualified member of the Association of Certified Chartered Accountants.

I have completed my examination. I confirm that no material matters have come to my attention in connection with the examination which gives me cause to believe that in any material respect:

- The accounting records were not kept in accordance with section 130 of the Act; or
- The accounts did not accord with the accounting records; or
- The accounts did not comply with the applicable requirements concerning the form and content of accounts set out in the Charities (Accounts and Reports) Regulations 2008 other than any requirement that the accounts give a true and fair view which is not a matter considered as part of an independent examination.

I have no concerns and have come across no matters in connection with the examination to which attention should be drawn in this report in order to enable a proper understanding of the accounts to be reached.

Tom Lacey FCCA
Nunn Hayward LLP
Chartered Accountants
2-4 Packhorse Road
Gerrards Cross
Buckinghamshire
SL9 7QE

Date:

Society for Underwater Technology (The)
Statement of Financial Activities
(Incorporating the Income and Expenditure Account)
For the year ended 30 June 2022

	Note	Unrestricte Funds 2022		Restricte	
Income					
Donations and legacies	2	2,583	1,322	3,905	53,554
Income from charitable activities:					
Memberships, conferences and events	3	263,460		263,460	195,357
Income from other activities:					
Other incoming resources	5	1,909		1,909	63,820
Investment income	6	6,142		6,142	5,972
Total income		£274,094	1,322	£275,416	£318,70
Expenditure					
Expenditure on charitable activities:					
Charitable activities	7	269,618	(1,322)	270,940	315,140
Total expenditure		£269,618		£270,940	£315,14
Net income before gains / (losses) on investments		4,476		4,476	3,563
Net gains / (losses) on investments	14.3	(11,501)		(11,501)	28,175
Net income / (expenditure)		(7,025)		(7,025)	31,738
Transfers between funds					
Net Movement in Funds		(7,025)		(7,025)	31,738
Reconciliation of funds					
Total funds brought forward		299,814		299,814	268,076
Total funds carried forward		292,789		292,789	£299,81

Net income is derived from continuing operations for the above two financial years.

All gains and losses recognised in the year are included above.

The notes on pages 2-10 to 2-20 form part of these financial statements

Society for Underwater Technology (The)
Balance Sheet
As at 30 June 2022

	Note	2022		2021	
		£	£	£	£
Fixed assets					
Tangible assets	13		1,354		2,614
Investments	14		207,866		219,367
			209,220		221,981
Current assets					
Publications stock	15	9,850		9,985	
Debtors	16	51,336		34,869	
Cash at bank and in hand		45,473		62,692	
		106,659		107,546	
Creditors: Amounts falling due within one year	17	(23,090)		(29,713)	
Net current assets			83,569		77,833
Net assets			£292,789		£ 299,814
Funds of the charity:					
Unrestricted income funds			292,789		299,814
Total charity funds			£292,789		£ 299,814

Total funds as stated above include a Fair Value Reserve of £166,101 (2021: £177,602) (see note 14.3).

The Council Members acknowledge their responsibilities for:

(a) ensuring that the company keeps accounting records which comply with Sections 386 and 387 of the Companies Act 2006; and

(b) preparing financial statements which give a true and fair view of the state of affairs of the company as at the end of each financial year and of its profit or loss for each financial year in accordance with the requirements of Sections 394 and 395 and which otherwise comply with the requirements of the Companies Act 2006 relating to financial statements so far as applicable to the company.

The company is entitled to exemption from audit under Section 477 of the Companies Act 2006 relating to small companies for the year ended 30 June 2022.

The members have not required the company to obtain an audit of its financial statements for the year ended 30 June 2022 in accordance with section 476 of the Companies Act 2006.

The financial statements have been prepared in accordance with the provisions applicable to companies subject to the small companies' regime.

Approved by the Council on 27 October 2022 and signed on its behalf by:

S John
Chair of the Council
Company Number: 00932590
Registered Charity Number: 256659

N Carey
Honorary Treasurer

The notes on pages 2-10 to 2-20 form part of these financial statements.

Society for Underwater Technology (The)
Notes to the Financial Statements
For the year ended 30 June 2022

1. Accounting policies

Company information

Society for Underwater Technology (the charity) is a private company limited by guarantee and domiciled in England and Wales. The charity's registered numbers and registered office address can be found on page 1 of these accounts. The company does not have a fixed place of business, all employees work remotely.

The principle accounting policies adopted, judgements and key sources of estimation uncertainty in the preparation of the financial statements are as follows:

a) **Basis of preparation**

The financial statements have been prepared in accordance with the Statement of Recommended Practice: Accounting and Reporting by Charities preparing their accounts in accordance with the Financial Reporting Standard applicable in the UK and Republic of Ireland (FRS 102) issued in October 2019 and the Financial Reporting Standard applicable in the UK and Republic of Ireland (FRS 102), Charities Act 2011, Companies Act 2006, the Charities and Trustee Investment (Scotland) Act 2005 and the Charities Accounts (Scotland) Regulations 2006 (as amended) and UK Generally Accepted Practice as it applies from 1 January 2019.

Society for Underwater Technology meets the definition of a public benefit entity under FRS 102. Assets and liabilities are initially recognised at historical cost or transaction value unless otherwise stated in the relevant accounting policy note(s).

The legal and actual status of affiliated operations is periodically assessed by the charity. As a result the charity concludes that the operations in Perth (Australia), Houston (USA), Melbourne (Australia), West Africa, Rio de Janeiro (Brazil), Singapore and Beijing (China) do not qualify as subsidiaries under the Companies Acts 2006 or as branches under the guidance laid out by the Charities SORP (FRS 102). The detailed review of the constitutions and operations concluded that they are administratively autonomous and should therefore not be consolidated. The Society for Underwater Technology Norway NUF was established as a Norwegian branch of a foreign enterprise (NUF). The constitution of this operation varies from those mentioned above and it qualifies as a branch under the Charities SORP (FRS 102) as a result is treated as a subsidiary. The Society has taken advantage of the exemption from preparing group accounts as per SORP FRS102 S.24.6 Appendix 3 A.11.

The presentation currency is £ Sterling rounded to nearest £1.

The financial statements have been prepared under the historical cost convention.

b) **Preparation of the accounts on a going concern basis**

The Council Members have given due consideration to the ability of The Society to continue as a going concern.

FY2022 has returned a small deficit which has arisen due to the unrealised loss on the revaluation of the investments. 30 June 2022 was the low point during the year for the investment value. By 23 August it improved and there was an unrealised gain of £18,221 on the investment.

After unrealised losses on investments have been calculated the net assets of The Society decreased by £7,025 to £292,789.

The Society's core income streams have all continued to recover after the impact of the COVID19 pandemic; with individual and corporate membership income increasing together with that of conferences and seminars. As was expected the donations received have decreased due to a large one-off donation having been received in FY2021.

The Society has successfully managed its costs in FY2022. Other charitable expenditure in note 8 has been reduced by £47,950.

We expect the upward trend on core income to continue and The Society continues to meet its minimum reserves policy of holding fifty percent of the expected next year's expenditure in reserves.

The Members are, therefore, satisfied that the going concern basis remains appropriate.

1. Accounting policies – cont'd

c) **Fund accounting**
The principles of fund accounting, as described in the Statement of Recommended Practice, Accounting and Reporting by Charities: the Charities SORP (FRS 102), have been applied in the preparation of these financial statements.

Funds held by the Society are either:

Unrestricted general funds
These are funds which can be used in accordance with the charitable objects at the discretion of the Trustees.

Designated general funds
The Society has designated general funds which it applies to the provision of the awards made to students. Monies that are designated by the Council Members can be moved back within the unrestricted general funds should the Council Members so decide.

Restricted funds
These funds can only be used for this purpose within the objects of the Society. The Society's restricted funds were all fully expended during the year and, therefore, there is no fund analysis relating to balance sheet values at the year end.

d) **Tangible fixed assets**
Assets are capitalised at cost when the economic benefit of ownership will spread over a number of years.

Depreciation is provided on tangible fixed assets at rates calculated to write off the cost less estimated residual value of each asset evenly over its expected useful life as follows:

Office furniture and equipment	20% reducing balance
Computer	33% straight line

e) **Publications stock**
Stock is valued at the lower of net realisable value and cost. Cost is valued on a first in first out basis.

f) **Investments**
Investments are valued at the prevailing market price as at the Balance Sheet date. Realised and unrealised gains (or losses) are reflected in the Statement of Financial Activities in the year in which they occur. No distinction is made between realised and unrealised gains in the Statement of Financial Activities as the Trustees consider that the disclosure of total gains/losses show a truer and fairer view.

g) **Debtors**
Debtors are recognised at the settlement amount due less any provisions for doubtful debts.

Prepayments are valued at the amount prepaid, calculated on a month-by-month basis.

h) **Creditors**
Creditors are recognised where the Society has a present obligation resulting from a past event that will probably result in the transfer of funds to a third party and the amount due to settle the obligation can be measured or estimated reliably. Creditors are normally recognised at their settlement amount.

i) **Voluntary income**
Voluntary income is recognised on receipt.

j) **Events Income**
Events income is included when receivable.

k) **Subscriptions**
Membership subscriptions are accounted for on a receivable basis.

2. **Accounting policies – cont'd**

l) **Grants Payable**
Grants payable are charged against income upon approval of the grant, in so far as the grant is payable from current resources.

m) **Expenditure**
Charitable activities represent all costs incurred by the Society in meeting its charitable objectives.

Governance costs are incurred in connection with the management and administration of the charity. These include central management and administration costs, organisational costs and costs incurred to ensure compliance with constitutional and statutory requirements.

Each natural category of costs is considered individually and allocated on a percentage basis by function.

n) **Operating Leases**
Operating lease rentals are charged to the profit and loss account as incurred.

o) **Foreign Currencies**
Assets and liabilities denominated in foreign currencies are translated at the rate of exchange ruling at the Balance Sheet date. Transactions are translated at the rate of exchange ruling at the date of the transaction. All exchange differences are reflected in the Statement of Financial Activities.

p) **Redundancy payments**
Redundancy payments due to employees for termination of employment during the year are fully recognised in the current financial year.

q) **Government grants receivable**
Government grants are recognised when there is reasonable assurance that the grant conditions will be met and that the grants will be received.

2. Income from donations and legacies

	Unrestricted Funds £	Restricted Funds £	Total 2022 £	2021 £
General donations	2,583	1,322	3,905	53,554
ESF Donations	-	-	-	-
	£2,583	1,322	£3,905	£ 53,554

3. Income from charitable activities

	Note	2022	2021
Membership subscriptions	3.1	172,851	157,547
Conferences and seminars	4	85,412	31,309
Publications, journals, newsletters and educational products		5,197	6,500
		£ 263,460	£ 195,357

3.1 Membership subscriptions

	2022 £	2021 £
Corporate members	131,584	118,115
Individual members	41,267	39,432

	£ 172,851	£ 157,547

4. Conferences and seminars

	2022			2021		
	Fees	Direct Costs	Surplus/ (Deficit)	Fees	Direct Costs	Surplus/ (Deficit)
	£	£	£	£	£	£
Courses						
Offshore wind renewable energy	-	-	-	5,670	400	5,270
Offshore wind October 2021	6,770	400	6,370	-	-	-
Offshore wind March 2022	10,090	-	10,090	-	-	-
OSIG Introduction to Offshore Geophysics	17,645	71	17,574	-	-	-
OSIG energy in transitions	18,760	9,597	9,163	-	37	(37)
OSIG Geoforum	3,454	2,887	567	-	-	-
VASC September 2021	12,512	-	12,512	-	-	-
VASC May 2022	8,905	-	8,905	-	-	-
Non-metallic composites	370	-	370	-	-	-
Subsea equipment insurance	641	-	641	-	-	-
Conferences and workshops						
All Energy	2,500	-	2500	-	-	-
SUT/Masts Workshop	2,000	1,137	863	2,450	780	1,670
Sponsorship	-	-	-	2,350	-	2,350
Webinar profit share	-	-	-	1,647	-	1,647
Decom series				964	148	816
Other events						
Annual General Meeting	33	1,210	(1,177)	-	-	-
Branch activities						
Aberdeen						
Subsea Awareness	-	-	-	5,100	-	5,100
Evening Meetings	-	(106)	106	-	548	(548)
Breakfast Meeting	-	-	-	258	31	227
VSAC June 2021	-	-	-	12,870	-	12,870
Gadgets & Widgets	1,348	290	1,058	-	-	-
A Life less ordinary	384	267	117	-	-	-
SUT @ spin	-	163	(163)			
	£85,412	£15,916	£69,496	£31,309	£1,944	£29,365

5. Other income

	Unrestricted Funds	Restricted Funds	Total 2022	2021
	£	£	£	£
Sundry income	159	-	159	135
Job retention scheme*	0	-	-	26,425
VAT recoverable	0	-	-	19,260
Fees for services	0	-	-	18,000
Awards & prizes	1,750	-	1,750	-
	£1,909	£ -	£1,909	£ 63,820

*Government grant income (all conditions satisfied).

6. Investment income

	2022	2021
	£	£
Charities Official Investment Fund		
Dividends received	6,115	5,958
NSB Investment Account		
Interest received		-
Bank interest	27	
Interest received		14
	£6,142	£ 5,972

7. Analysis of expenditure on charitable activities

	Note	Unrestricted Funds	Restricted Funds	Total 2022	2021
		£	£	£	£
Direct charitable expenditure					
Grants payable to individuals	8	11,128	1,322	12,450	8,700
Other direct charitable expenditure	9	258,490	-	258,490	306,440
		£269,618	£1,322	£270,940	£ 315,140

8. Grants payable

	Unrestricted Funds	Restricted Funds	Total 2022	2021
	£	£	£	£
Undergraduates	8,678	1,322	10,000	8,000
Postgraduates	-	-	-	-
Awards	2,450		2,450	700
	£ 11,128	£ 1,322	£12,450	£ 8,700

9. Other direct charitable expenditure

	Unrestricted Funds £	Restricted Funds £	Total 2022 £	2021 £
Accountancy	6,451	-	6,451	7,644
Examiner's/Auditor's remuneration	3,000	-	3,000	3,000
Bad debts	-	-	-	-
Bank charges	3,266	-	3,266	3,069
Conferences and seminars (Note 4)	15,916	-	15,916	1,944
Publications, journals and newsletters	5,082	-	5,082	7,075
Committee expenses	-	-	-	-
Computer maintenance	13,391	-	13,391	12,583
Depreciation	1,568	-	1,568	2,657
Disposal of assets	-	-	-	-
IMAST licence fee	5,798	-	5,798	-
Insurance	1,749	-	1,749	3,278
Lease of equipment	-	-	-	735
Marketing and advertising	11,052	-	11,052	945
Postage	446	-	446	581
Professional fees	270	-	270	17,241
Rent, rates, light and heat	1,793	-	1,793	33,437
Staff recruitment and raining	-	-	-	1,950
Salaries	179,121	-	179,121	201,493
Stationery and office expenses	7,725	-	7,725	7,353
Subscriptions	453	-	453	213
Telephone	1,409	-	1,409	1,242
	£258,490	£-	£258,490	£ 306,440

10. Analysis of support and governance costs

The charity initially identifies the costs of its support functions. It then identifies those costs which relate to the governance function. The table shown overleaf details the analysis of these support and governance functions. These values are included in the costs shown in note 9.

	General Support £	Governance Function £	Total £	Basis of apportionment £
Independent examination fee	-	3,000	3,000	Wholly attributable
Accountancy fee to IE	-	6,451	6,451	Wholly attributable
Bank charges	3,266	-	3,266	Wholly attributable
Committee expenses	-	-	-	Usage allocation
Computer maintenance	4,017	-	4,017	Allocated on time
Depreciation	470	-	470	Allocated on time
Insurance	525	-	525	Allocated on time
Postage	40	-	40	Usage allocation
Professional fees	270	-	270	Wholly attributable
Rent, rates and heat and light	538	-	538	Allocated on time
Salaries	53,736	-	53,736	Allocated on time
Stationery and office expenses	1,546	-	1,546	Usage allocation
Subscriptions	227	-	227	Apportioned equally
Telephone	423	-	423	Usage allocation
Marketing	5,526	-	5,526	Apportioned equally
	£70,584	£9,451	£80,035	

Where not otherwise stated, support costs as shown above have been calculated on a pro rata basis in line with the staff salaries allocation.

11. Staff costs

	2022	2021
	£	£
Staff costs:		
Wages and salaries	161,335	181,369
Social security costs	12,948	13,699
Defined contribution pensions	4,838	5,058
Other staff costs	-	1,367
	£179,121	£ 201,493

The average number of employees, analysed by function was:

	2022	2021
Direct charitable activities	2	2
Management and administration of the charity	2	2

The Trustees did not receive any remuneration or reimbursed expenses during the year (2021: £nil)

Total employee benefits of key management personnel amounted to £75,274 (2021: £78,883).

Employees earning more than £60,000 during the year:

	2022	2021
£60,001 - £70,000	1	-
£70,001 - £80,000	-	-

12. Taxation

The Society is a registered charity and, therefore, no tax liability arises on the results for the year to the extent that income and gains are applied to the Society's charitable objects.

13. Tangible fixed assets

	Office furniture and equipment	Computers	Total
	£	£	£
Cost			
As at 1 July 2021	4,477	44,736	49,213
Additions		309	309
Disposals	-	-	-
As at 30 June 2022	4,477	45,045	49,522
Depreciation			
As at 1 July 2021	3,091	43,508	46,599
Charge for the year			
On disposals	686	883	1,569
As at 30 June 2022	3,777	44,391	48,168
Net book value at 30 June 2022	£ 700	£ 654	£ 1,354
Net book value at 30 June 2021	£ 1,386	£ 1,228	£ 2,614

14. Fixed assets investments

14.1 Summary

	2022		2021	
	£ Cost	£ Valuation	£ Cost	£ Valuation
a) Charities Official Investment Fund	39,659	207,510	39,659	218,970
b) NSB investment account			-	-
c) Listed investments	2,106	356	2,106	397
	£ 41,765	£207,866	£ 41,765	£ 219,367

14.2 Movements on investments

	2022 £	2021 £
Market value at 30 June 2021	219,367	191,192
Transfers/Disposals	-	-
(Loss)/Gain on revaluation	(11,501)	28,175
Interest on NSB	-	-
Market value at 30 June 2022	£ 207,866	£ 219,367

14.3 Reconciliation of movement in unrealised gains on investment assets

	2022 £	2021 £
Unrealised gains at 30 June 2021	177,602	149,427
Realised gain on disposal		-
Unrealised (losses)/gains in year	(11,501)	28,175
Unrealised gains at 30 June 2022	£ 166,101	£ 177,602

15. Publications stock

	2022	2021
Books for resale	£ 9,850	£ 9,985

16. Debtors

	2022 £	2021 £
Trade debtors	13,204	3,826
Amounts owed by group undertakings	3,252	3,252
VAT	6,385	17,979
Prepayments and accrued income	28,495	4,889
Other debtors	0	4,923
	£ 51,336	£ 34,869

17. Creditors: Amounts falling due within one year

	2022 £	2021 £
Trade creditors	2,777	1,864
Deferred income	4,507	12,829
Social Security and other taxes	956	603
Accruals	9,020	9,821
Other creditors	5,830	4,596
	£23,090	£29,713

17.1 Deferred income included in creditors due within one year

	2022 £	2021 £
Opening balance as at 1 July 2021	12,829	8,332
Deferred in the year	4,507	12,829
Released in the year	(12,829)	(8,332)
Closing balance as at 30 June 2022	£4,507	£ 12,829

Income is deferred when it has been either invoiced or received in the current financial year but relates to future periods.

18. Limited liability of members

In accordance with the Memorandum and Articles of Association, Fellows, Individual Members and Corporate Members (but not Associate Members and Student Members) are deemed to be Members of the Society within the context and as such have a limited liability of £5 per member in the event of the Society being wound up.

19. Fair value reserve

The unrealised gains table shown in note 14.3 represent the value of the Fair value reserve held within the General Fund.

20. Related party transactions

The total amount of donations received without conditions from trustees during the year was £218.
Key management personnel remuneration is disclosed at note 11.
There are no other disclosable related party transactions during the year.

21. Restricted funds

	Balance 30 June 2021 Restated	Incoming Resources	Movement in Fund Expenditure and Gains/(losses)	Transfers	Balance 30 June 2022
Society for Underwater Technology Educational Support Fund	-	1,322	(1,322)	-	-

The Education Support Fund was established to provide educational grants to students. The original restricted funds have all been expended. The Society continues to collect small amounts for the fund during the year at events and through the Just Giving platform. The amounts collected during the year are fully expended during the year.

22. Comparative Statement of Financial Activity

	Note	Unrestricte Funds 2021	Restricte	Total 2020 £
Income				
Donations and legacies	2	53,554	53,554	25,456
Income from charitable activities:				
Memberships, conferences and events	3	195,357	195,357	344,172
Income from other activities:				
Other incoming resources		68,820	68,820	16,501
Investment income	6	5,972	5,972	6,578
Total income		£318,703	£ 318,703	£ 392,707
Expenditure				
Expenditure on charitable activities:				
Charitable activities	7	315,140	315,140	442,335
Total expenditure		£315,140	£315,140	£442,335
Net income / (expenditure) before gains / (losses) on investments		3,563	3,563	(49,628)
Net gains / (losses) on investments	14.3	28,175	28,175	6,946
Net income / (expenditure)		31,738	31,738	(42,682)
Transfers between funds				
Net Movement in Funds		31,738	31,738	(42,682)
Reconciliation of funds				
Total funds brought forward		268,076	268,076	310,758
Total funds carried forward		£ 299,814	£ 299,814	£ 268,076

THE SOCIETY FOR UNDERWATER TECHNOLOGY LIMITED

England & Wales - Charity number 256659

Accounts



SUT
Society for Underwater Technology

Annual Report
2020-2021

Society for Underwater Technology
Annual Report 2020-2021

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President's Foreword



President: Judith Patten MBE

Mine is a calendar year report rather than a financial year one as I became President in December 2020. I was delighted to be asked, having worked closely with SUT from the first half of the 1980s onwards (primarily on Oceanology International) and been a member of the SUT Marine Renewable Energies Committee (MREC) since its foundation. SUT plays a key role at All-Energy, now the UK's largest renewable and low carbon energy annual exhibition and conference, which I co-founded with David Stott, creator of Offshore Europe, and a Fellow of SUT.

Being on Council and in the Presidential 'hot seat' has certainly provided insight into SUT's aims, objectives and activities. I am only sorry that I am now standing down, as 2022 looks as if it is going to be an exceptionally busy year for me workwise and I cannot commit as fully as I would like to carrying out Presidential roles (especially when we get back to the 'old normal' and interaction is no longer confined to virtual meetings) I don't believe in doing things by half measures!

There have been notable highlights despite the pandemic. Indeed, some are because of it:

- **Professional accreditation** got off the ground after last year's pilot scheme. Working jointly with MTS on this important step is a major milestone. Encourage your colleagues to dive into the online application process for Marine Technology Registration; Marine Scientist Registration will follow shortly.
- **Virtual courses** have been created and held successfully. The long-standing Subsea Awareness Course has been adapted and become the Virtual Subsea Awareness Course; two have been held and attracted delegates from far and wide (a bonus of 'going virtual').

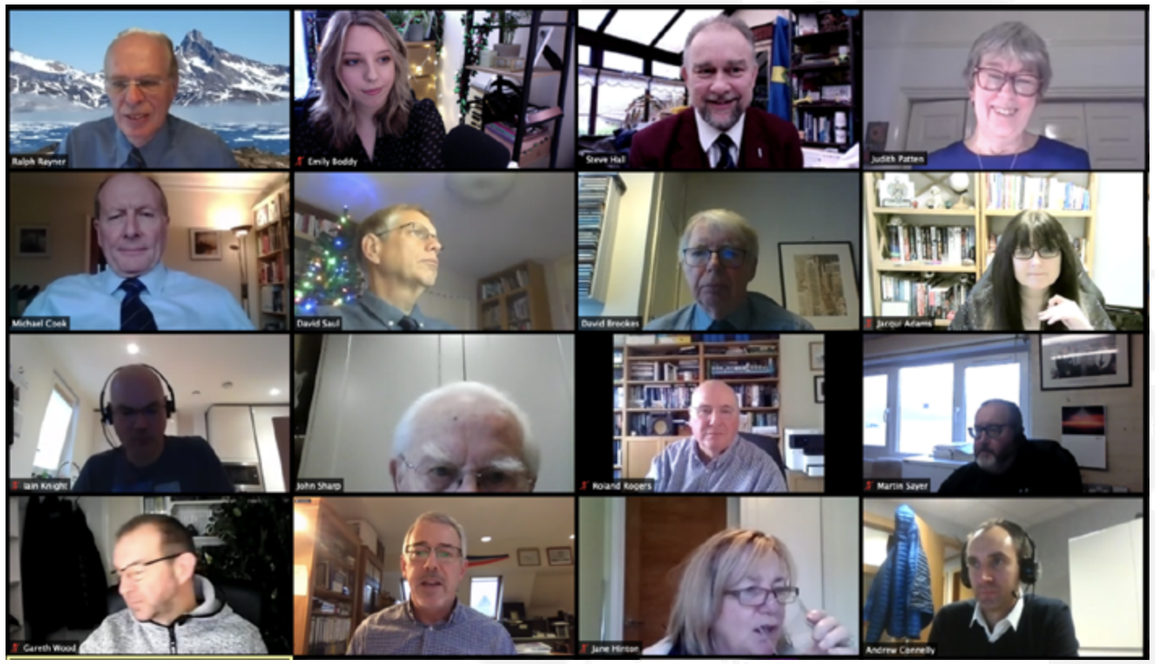
  An introductory offshore wind course (two held so far) has proved equally successful. I was delighted to see so many talented women presenting. As I write this, the first virtual course on offshore site investigation and geotechnical engineering course is to be held this month (November 2021).
- **Awards:** As a long-time admirer of that indefatigable ocean explorer Don Walsh, being involved with the judging process for the Captain Don Walsh Award for Ocean Exploration (again jointly with MTS) was an honour.
- **Educational Awards** continue and it was a pleasure to be involved in the selection process
- **Bil Loth:** The sadness of hearing of Bil's death was alleviated by an afternoon of memories in his and Dolly's beautiful garden. You can contribute to his memory ***https://www.justgiving.com/fundraising/bil-loth***
- **Podcasts:** Now looked after by Andrew Connelly and Emily Boddy, the series will, by the time of the AGM, have chalked up over 30 fascinating podcasts during 2021. There are over 70 to choose from online.
- **SUT Plus** have continued their programme of free webinars, holding 12 in this reporting period since June 2020 on exciting topics such as Hydrogen, Wave Energy and The Practical use of Programming in Engineering.

Regrets? I'd love to have met members face-to-face but that wasn't possible... Most of all I would have enjoyed meeting up with other Presidents for a 'how to do it' crash course. It's too late now for regrets.

Instead, I look forward to being an active Council member in the coming year; and continuing to be SUT's 'Hon PR' person in the years to come. I am delighted to be passing the Presidential-baton to another woman, Moya Crawford, and wish her well!

I would like to thank my fellow officers of the Society and the talented secretariat team for their support.

Awards 2020-2021



Some of the attendees at the virtual SUT AGM 2020 and our presentation speaker David Mearns

Lennard-Senior Prize

Awarded to Simon Cheeseman at the SUT AGM 2020 in recognition of outstanding individual achievement in the field of Marine Renewable Energy.

Simon Cheeseman is an experienced Marine Engineer, having worked in both the commercial and public sectors. Simon joined the Catapult in February 2014. Working within their Research and Innovation directorate, Simon is responsible for managing their marine renewables strategy, identifying the Catapult's wave and tidal technology innovation priorities.

NEW Captain Don Walsh Award for Ocean Exploration

Jointly awarded by SUT and MTS (the Marine Technology Society), we are pleased to announce Dr Edie Widder as the first winner of the Captain Don Walsh Award. Dr. Widder is an MTS member, MacArthur Fellow, a deep-sea explorer, and conservationist who combines expertise in oceanographic research and technological innovation with a commitment to reversing the worldwide trend of marine ecosystem degradation.

NEW Gwyn Griffiths Underwater Robotics Award

SUT's International Panel on Underwater Robotics are honoured to announce the creation of the Gwyn Griffiths Underwater Robotics Award (GGURA). The award recognises people in the early to mid-stages of their career who have made outstanding contributions to their field in underwater robotics. The award may be for industry/commercial, research and/or creative activity in underwater robotics.

New Fellows

Gareth Wood

Tim Carrington

Andrew Benson

Miguel Pacheco Andrade

Andrew Hunt

Vahid Walker

New Hon Fellow

John Partridge

Council's Summary of Activity 2020-2021

Membership

Overall membership of SUT has held up through the pandemic, lockdown, and the adverse effects on the hydrocarbon industry. SUT membership numbers reflect the experience of other Learned Societies as well as Institutions and Associations around the globe with changes to industry sectors, mergers, acquisitions, as well as contractions. For the SUT shifts with energy transitions, net zero carbon target for 2050 and delivering increased renewable energy along with increased focus on the marine environment, sustainability and protection have brought new members to the SUT. New membership, corporate and individual have come from many sectors including offshore wind, UXO, defence, salvage and decommissioning, marine acoustics, robotics and sensors. The establishment of two new special interest groups on Marine Environmental Science and Unexploded have developed new members from these sectors including new members from the offshore windfarm operators and representation from SMEs and academia.

We thank everyone who has renewed their membership, the new members, and the efforts of all who have worked so hard to keep SUT going as the world has continued to live with Covid-19, lockdown and restrictions on face-to-face meetings and travel.

To meet these challenges the Business Development Group looked at membership outreach and engagement in early 2021, growing the SUT's training courses for online delivery and potential opportunities for member participation and benefits with new events. There are now three committees focusing on these areas of development.

Webinars have become a regular offering from Branches, with the Aberdeen SUT+ becoming particularly proactive with their webinar programme. Media content continues to grow on SUT's YouTube Channel that includes a 'gadgets and widgets' section and the archive of webinars

The ***SUT podcast*** has grown in grown in popularity and downloads. The download on podcast numbers has exceeded 17,000 in 2021.

The launch of online training has had good take-up from both members and non-members. The well-respected, well-known Subsea Awareness Course was relaunched as a Virtual Subsea Awareness Course (VSAC) which ran twice in 2021 as did our new course for Offshore Wind. In addition, the OSIG committee organised a training course which not only filled delegate places to capacity and created a waiting list. All of these courses will be running in 2022 with new training courses in development to grow this important area of SUT activity.

The donation from Past-President Professor Gwyn Griffiths for a new award for technologists in the field of Marine Robotics which was announced last year, received multiple entries this year. From an impressive field of nominations, the 2021 winner was Aleksandra Tomaszek of 1CSI Ltd. Entries for this award are open for 2022.

The continued efforts by the Society to attract new sectors will likely take a little while longer to bear the fruit that we hope for, but we are seeing new individuals joining from well-known companies and hope that these will be followed in due course by corporate memberships as well.

Membership Summary

Corporate Members 146
Individual Membership 1617

Category	2021	2020
Hon. Fellows	14	15
Fellows	107	106
Full members	677	679
Students	128	122
Corporate individuals	691	744
Total	1617	1666

Table 1

Financial Summary Unrestricted Fund (£)

Category	2021	2020
Income	318,703	391,023
Expenditure	315,140	440,651
Surplus/ (deficit)	3,563	(49,628)
Transfers to restricted fund	-	-
Gain/(loss) on investments	28,175	6,946
Retained surplus/ (deficit)	31,738	(42,682)

Table 2

Council's Summary of Activity
contd

Finance
A summary of the Society's accounts and financial statements for 2020-2021 has been included in the Annual Report. Result for the Unrestricted Fund for this year compared with that for the previous year appears on pages 2-8 and 2-9 of the report.

The Unrestricted Fund at 30 June 2021 amounted to £299,814 compared with an amount of £268,076 at the end of the previous year, including donations and legacies, allowing for gains on investments.

Educational Support Fund
A report for the year ending 30 June 2021 from the Educational Support Fund Management is included in this Annual Report. There has been a restatement of the comparatives following a review of the value of the fund which concluded that the only funds remaining were from transfers out of the general fund which meant that the Educational Support Fund was no-longer restricted. (It was reclassified as designated as at 30 June 2018 and transferred back into General Funds.) The impact of Covid-19 restrictions on collections at SUT events to support the Educational Support Fund not taking place is noted in the accounts on page 2-4.

D. Brookes, Honorary Secretary 28 October 2021

Registered Office: HQS Wellington, Temple Stairs, Victoria Embankment, London, WC2R 2PN, UK

Chair's Report



David Saul

I would like to start by remembering Bil Loth who passed away in August this year, Bil was a much-loved and respected supporter of the Society over four decades during which time he took on just about all the key positions of council including President (2012-13) and Chairman (1993-95), only stepping back as an active member of council three years ago as his eyesight deteriorated. Bil was also the recipient of the David Partridge underwater technology award (1996) and the President's Award (2002).

Last year I reported Steve Hall our CEO was moving to a new role based in Wales. Following a rigorous selection process Dr Cheryl Burgess was appointed taking over from Steve in January of this year. Most recently Cheryl was Director General of the Pipeline Industries Guild. Starting during lockdown was certainly a challenge, not least having to arrange a handover with Steve in a train station! I am pleased to say even with all the COVID-related difficulties Cheryl quickly settled into the role and I would to like to take this opportunity to thank her for all her work and support during the year.

While COVID-19 is still impacting the work of the Society we have seen the first signs of normality with some face-to-face events returning to many branches. It is however clear that going forward virtual training and events are going to be a core element of how the Society operates.

Prior to the emergence of COVID-19 the Society had been on target to breakeven in 2019-20, I am therefore pleased to report we have been able to reach this important milestone in the 2020-21 financial year. Looking forward for the 2021-22 year we are budgeting for a surplus, which as of November 2021 we look to be on target to achieve. I would particularly like to thank Mick Cook our honorary treasurer for all his work over the last six years to reset the Society's financial position and update our reporting processes.

Another significant milestone this during the summer of 2021 was the move out of our offices in Aberdeen and London, with Cheryl, Mick Cook and myself clearing the out the last paperwork and computer equipment from the John Street office at the end of August. As it turned out this was my first opportunity to meet Cheryl in person, very much a working meeting with the office on the 3rd floor and no lift. Going forward we have maintained a postal address on HQS Wellington (which many will remember from social events), but all staff are now working from home on a permanent basis.

Council
With the ongoing limits on travel and non-availability of our usual venues we continued to run Council meetings virtually during the year, hopefully as we move into 2022 it will be possible to restart in person Council meetings for those members based in the UK. In addition to finance and membership development two of the key focus areas of council during the year have been on updating the Society's Articles of Association and agreeing a joint venture agreement with the Marine Technology Society (MTS).

Articles of Association, these were last updated in 2015, with the development of the Society since then, Council agreed to form a sub-committee with the goal or completing an update to be voted on at the 2021 AGM. The majority of proposed changes relate to removal of potentially confusing / conflicting text and most importantly moving to a gender-neutral language approach throughout the document.

Chair's Report
contd.

MTS Joint venture, In April the joint SUT / MTS Exploratory Committee reported back to Council recommending an International Contractual Joint Venture be setup to manage and take forward SUTs ongoing relationship with MTS. Initially this will cover work on the Marine Technologist and Marine Scientist certifications, external activities, the Don Walsh Awards and bringing together the SUT and MTS journals into a single peer-reviewed publication.

I am pleased to report that, at the time of writing, these activities are on schedule to complete before the end of December 2021.

Training

With 'in-person' training still not an option for most areas the Society operates in, the training and education committee launched virtual subsea awareness and offshore wind courses, both have presented once during the financial year with good attendance. Subsequent to the year end a further virutal session of each course took place, again with good attendance. A third virtual course 'An Introduction to Offshore Geophysics and Geotechnical Engineering' is due to be presented for the first time at the end of November 2021. Looking forward we hope the US and UK will rejoin Perth in restarting in-person training in 2022. That said, we expect the demand for virtual training to continue.

Branches

The Society continues to benefit from an extensive UK and International affiliates' network. While their activities will clearly not be back to 'normal' for some time, face-to-face activities are restarting. A good example of this was the UK's North of England branch and the OSIG SIG 'Energy in Transition' seminar which attracted over 100 delegates.

Thanks

I want to thank Cheryl and the other SUT staff, Jane, Jacqui, and Emily, for all their support and hard work throughout the year, recognizing, amongst many other things, the extra work needed in closing the two UK offices, transitioning the SUT to new ways of working, delivering member benefits, administering the many virtual activities, and the challenges of an unexpected VAT inspection.

With this being my final report as Chairman I would also like to express my thanks to the Executive and wider Council for their support over the last three years, particularly Dave Brookes and Mick Cook who are also standing down from Hon Secretary and Treasurer respectively. I would also like to express my appreciation for the support of Past President Ralph Rayner and current President Judith Patten both on the Executive and their additional contributions to SUT initiatives during my time as SUT Chair. Finally, I wish Sue John every success in taking over to become the Society's first female chair.

Officers and Council 2020-2021

President
Judith Patten MBE

Chair
David Saul

Immediate Past President
Prof Ralph Rayner

Honorary Secretary
David Brookes

Honorary Treasurer
Mick Cook

Secretary to Council/CEO
Cheryl Burgess

Members

Dr M A Atmanand
Andrew Connelly
Steve Duffield
Gwyn Griffiths
Terry Griffiths
Martin Harley
Tricia Hill
Sue John
Steve Johnson
Iain Knight
David Kirkley
Frank Lim
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Bob MacDonald
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Fiona Allan
Events & Marketing Coordinator
Kym Shephard



Aberdeen Branch

www.sut.org/branch/aberdeen



Martin Harley

Committee

Chair Martin Harley
Vice-Chair Patrick Duggan
Treasurer
Jamie Wilson

Jacqui Adams
Keith Anderson
Peter Blake
Martin Brown
Andrew Connelly
Campbell Elder
Euan Fowler
Dr Ibiye Iyalla
Tony Laing
Andrew MacNamara
Jim Mann
Katrina McWilliam
Prof. Ekaterina Pavlovskaia
Daniele Petrone
Paul Slorach
David Warren
Graham Whitehead

For the second year in succession, I find myself summarising Aberdeen branch activities that have taken place almost entirely through a laptop screen. Like all branches and indeed like public services, businesses, and the public in general, we have had to deal with Covid-19 restrictions that extended far longer than anyone had anticipated. The Society's mission depends on gathering in the same room; education always works better this way, and it has been difficult not being able to see our audience in person.

For what we were able to mount, Jacqui Adams the SUT Events Manager has been instrumental. She coordinates SUT events not only in Aberdeen but across the UK and the SUT and Aberdeen committee would be lost without her.

We said goodbye to our out-going CEO Steven Hall for his time with the SUT over the last 3½ years and welcomed our new CEO Cheryl Burgess who joined us in January and rapidly started making waves. Her frequent attendance at our committee meetings smooths communication and in the current business environment the appointment of a CEO with industry experience is welcome.

2020-2021 Branch Activities

Our Annual Dinner and AGM, NASA in Aberdeen, Techfest and our monthly evening seminars at the Robert Gordon University all were cancelled. Perhaps the most difficult loss to the branch was our Subsea Awareness Courses. Last run in March 2020, we had intended to run three more courses in 2020 but the in-person event remains on hold and we are instead assisting with the virtual course run by our colleagues in UK central which has a slightly different content.

We compensated with the following events which all took place online.

- In November 2020, our annual day-long seminar run in conjunction with The Hydrographic Society of Scotland and the International Marine Contractors Association, ''Sustainability: The Subsea Industry and the Evolution of Energy' generated revenue streaming entirely online.
- The Schools Christmas Lecture featured contributions from MacDuff aquarium, the RGU MATE ROV competition team, Oceaneering and OceanGate. The lectures are one of the larger demonstrations of the society's charitable obligations.
- The Business Breakfast in April 2021 covered the subsea market outlook with presentations from Simmons, Rystad and the OGTC.
- We hosted a four-part series of Webinars on the Life Cycle of North Sea Decommissioning Projects. These lunchtime webinars with presentations and Question & Answer sessions charged a fee but still won an audience who listened to lectures from Boskalis, Genesis, Allseas and UK regulator OPRED.
- Aberdeen committee member Andrew Connelly has taken up the responsibility of hosting the SUT Podcast series which now runs to over 70 podcasts and over 17,000 separate downloads from as far away as Iqaluit, San Carlos De Bariloche, Port Blair and Misawa.

It's reasonable to say we've all learned some new skills; not only microphone ettiquette but screen-sharing and arranging our bookcases and living rooms to provide the least distracting background. The new problems we've had to

Aberdeen Branch

contd.

address included how to advertise an online event, deciding whether to charge a fee and presenting to camera when waving arms around no longer does any good. Not to diminish the severity of the pandemic, but some good things have come out of the experience.

Aberdeen Committee

We again held elections for places on the Aberdeen Committee. We have voting and non-voting (co-opted) seats and each year we submit a third of our voting seats to vote by the membership. I would like to welcome new committee members Calum Hayton and Paul Slorach to the committee who joined as a result. We will continue elections each year, thus having a mechanism for gradual turnover of the committee personnel. We need to say goodbye to Katherine Ferguson and Kilian Palop, members of the Aberdeen committee who have recently moved to new employment in the Middle East and who's association with the SUT I know will continue.

Finally, I would also like to express my personal thanks to Patrick Duggan of Apache who has stepped up to the role of Vice Chair and both Katherine Ferguson and Jamie Wilson; Katherine briefly acted as our Branch Honorary Treasurer and with her departure Jamie has replaced her in the role.

Not only are a huge thanks due to the individuals that make up our committee but also their parent companies for allowing their participation. It's not lost on us that the burden of SUT business is a few hours a month away from their day-jobs; it's time that we fully appreciate, and we could not do our business without that assistance.

SUT+

In addition to our regular committee, we also have an SUT+ committee in Aberdeen, consisting of new industry entrants and mid-career transitioners. They augment the regular committee and their own events this year have included webinars on Environmental Assessments before Decommissioning and Autonomous Surface Vehicles.

The End of Lockdowns

Whether we speak to you online or for real and in person, Aberdeen remains one of the most energetic branches of the SUT. We have the educational, networking and charitable events and two committees full of ideas and energy. Please keep an eye out for what we get up to as life starts returning to normal, come out to meet us and join in the debates we hold. Nobody can fail to have noticed the changes underway in the underwater world and through our individual and corporate members and events programme, we're in the thick of it.

Australia Perth/Melbourne Branch

www.sut.org/branch/perth



Steve Duffield

Committee

Chair Steve Duffield
Vice Chair Phil Griffin
Secretary
Nick McNaughton
Treasurer Hema Wadhwa

Allen Devlin *(new in 2020)*
Ben Stangoni
Brett Phillips *(new in 2020)*
Brian Wardlaw*
Bukkie Orugun
Christian Marocchi
James Shorthouse *(new in 2020)*
Julie Morgan
Leanne Geneve
Mark Casey
Matthew Moore
Nitin Repalle
Paul Farquharson
Pawan Gupta*
Pieter Swart *(new in 2020)*
Rex Hubbard
Sarah Elkhatib*
Scott McMaster
Stuart Higgins
Terry Griffiths

After a tumultuous year to 30 June 2020 with the onset of COVID 19 and making plans around an unknown future, the Perth branch finished this year, in front in many ways and built on those decisions made in the previous year.

Perth Branch Committee

Committee members continue to provide enthusiastic, imaginative and creative support to the branch bringing in a fresh outlook with great ideas. We would like to thank all committee members for their efforts in enabling us to reach our goals. We are indebted to the 2020 and 2021 committee groups, and we wish to express our thanks to retiring committee members (noted with an *) who gave very generously their time, knowledge and support. 2020 and 2021 Committee Members are listed on the right.

We give special thanks to Rex Hubbard (2019 and 2020 Perth Chair) .

A modest rotation of committee members brings in fresh ideas and enthusiasm which are essential to maintaining a vibrant society; however, it also allows us to retain a core of experience to ensure continuity of our overall vision.

Current Perth Branch Sub-Committees: (bold indicating sub-committee lead)

- Advertising: **Mark Casey**, Steve Duffield, Phil Griffin
- Annual Dinner: Renae Drew, Leanne Geneve, **Pawan Gupta**, Nick McNaughton
- AOG 2021: Christian Marocchi, Pawan Gupta, Julie Morgan, Nitin Repalle, **Hema Wadhwa**
- AUT Conference 2023: Steve Duffield, **Ian Hobbs**, Stuart Higgins, Jeremy Cohen, Peter Baker, Nina Levy, Mark Casey, Andrew Richardson, Kym Shephard
- Branch Support: Brett Phillips, James Shorthouse
- Course Review: Allan Devlin, **Rex Hubbard**, Hema Wadhwa
- Decom / Salvage: **Christian Marocchi**, Phil Griffin, Scott McMaster
- Engagement: **Leanne Geneve**, Bukkie Orugan, Allan Devlin, Paul Farquharson, Peter Clarke, Sahil Aggarwal
- Evening Technical Meeting/AGM: Allan Devlin, **Brett Phillips**, Scott McMaster, Paul Upjohn, Hema Wadhwa
- Finance: Fiona Allan, Phil Griffin, **Hema Wadhwa**, Steve Duffield, Nick McNaughton
- Golf Day: Allan Devlin, Renae Drew, Steve Duffield, **Scott McMaster**, Brett Phillips
- Immerse 2022: **Paul Farquharson**, Paul Upjohn
- Membership: Fiona Allan, Steve Duffield, **Phil Griffin**, James Shorthouse
- Mentoring: **Mark Casey**, Paul Farquharson, Phil Griffin, Nitin Repalle
- Oceans Conference 2024: **Hema Wadhwa**, Pieter Swart, Terry Griffiths
- OSIG Perth: See overleaf for full 2020/2021 summary.
- Scholarships: Fiona Allan, Nick Bardsley, Phil Griffin, **Nick McNaughton**, Nitin Repalle, Julie Morgan

Australia Branch

contd.

- Subsea Controls Down Under 2022 Conference: Kym Shephard, Mark Casey, **Paul Upjohn**, Harry Mackay, Harvey Smith, Norman O'Rourke, Michael Cojin, Julien Levadoux, Ross Hendricks, Minh Vo, Ned Chapman, Stuart Higgins, Derek Thompson
- Subsea Engineering Competency Framework: Mark Casey, Michael Cocjin, Afton Galbraith, Terry Griffiths, Pawan Gupta, Rex Hubbard, Christain Marocchi, Chris Merrick, Julie Morgan, Gabriel Pennock, Ewan Rowell, Chris Saunders, Norman O'Rourke, **Ian Wilson**
- YES!: Bukkie Orugan, Nitin Repalle

SUT Perth Branch Events

The Perth committee and staff were quite busy during the year. In Western Australia access to face-to-face opportunities came much earlier than elsewhere, and we were able to advantage.

The following events were held during the year:

- 4 x YES! event
- 1 x Conference (AOG)
- 5 x Evening Technical Meetings
- 6 x Courses (Hybrid & Online)
- 5 x OSIGp events
- 3 x Social events (Casual Catchup, Annual Dinner & Golf Day)

Of special note were the activities of the Special Interest Groups, YES and OSIG. They were able to keep a full annual agenda.

Staff were magnificent in ensuring our events complied with the many government requirements that changed regularly. The AGM was held this year at Karstens in Perth. The Chairperson, Treasurer and Secretary's Reports were presented and the new 2021 Committee announced. Sincere thanks were given to the Members, Sponsors, Presenters, Office Bearers, Committee, Sub-Committees and SUT Staff during the year.

Our 2020 Annual Dinner was a sold-out event, held at the prestigious Optus Stadium however due to capacity limitations, attendance was a lower than usual, 160 guests. The event was MC'd by local radio personality Kymba Cahill who will be returning in 2021.

Guests enjoyed a pop-up gin bar and were entertained by a dazzling light show and local magician Robbie T. Subsea Engineering Associates were the event sponsor and we thank them for their continued support throughout a challenging year.





Australia Branch
contd.

Conferences
The Subsea Controls Down Under Conference was scheduled to be held in October 2020 however it was postponed due to the Covid-19 pandemic to October 2022.

AOG (Australian Oil & Gas) Conference and Exhibition, 10th – 11th March 2021
Diversified continued the partnership with SUT, Subsea Energy Australia (SEA) and Subsea UK, and to offer the free to attend format for the AOG Conference in 2021.

Courses:
The following training courses were run in the 2020/21 year:

- Subsea Productions Systems – ONLINE 4th August 2020
- Subsea Awareness Course – HYBRID ONLINE/IN PERSON, 31st August - 4th September 2020
- Subsea Awareness Course, 3rd – 7th May 2021
- Offshore Geohazards Couse, 26th May 2021
- Metocean Awareness Course, 1st – 2nd June 2021







Lunchtime and Evening Technical Meetings
The following evening technical meetings were held:

- LTM: Catastrophic Electrical Failures in Long Umbilicals 4th August 2020
  Presentations by: Neil Douglas, Viper
  Sponsored by: Viper Innovations
- LTM: What is CAN? 4th August 2020
  Presentationby Wolfgang Mathis, Neodrill
- ETM: Will Subsea Compression Processing take off in Australian Development, 14th October 2020
  Panel Discussion featuring: Tim Nallipogu - Woodside, Yvonne Driessens – Shell, Drew Sage – Aker Solutions, Luca Letizia – One Subsea, Si Huai Yeaw (Moderator)
  Sponsored by: Atteris and Woodside

Australia Branch
contd.

- ETM: Advancements and Innovations in Subsea Pipeline Design, Operation & Maintenance, 17th February 2021
  Presentations by: Sophie Yin – Woodside, Henri Morand – Technip FMC and Christian Wiebe – Matrix.
  Sponsored by: Woodside
- ETM: The Marine Environment & Renewable Energy, 21st April 2021
  Presentations by: Terry Griffiths – University of Western Australia, Jana Orszaghova – University of Western Australia (Wave Energy Research Centre) & Matt Allen – Subcon
- ETM: Innovations in Inspection, Maintenance & Repair, 16th June 2021
  Presentations by: Paul Georgeson – A60N, Iain Wylie – Oceaneering & Jason LeCoultre – IAS Group.
  Sponsored by: Viper Innovations

Full post-event reports on all Evening and Lunchtime Technical Meetings can be found at: ***www.sut.org/branch/australia-perth/events/?tribe_event_display=past***

The Committee is, as always, grateful to all presenters and ETM chairpersons for their time and efforts in making our Evening Technical Meetings such a success, and for those generous Corporate members who support the evenings with their sponsorship.



Golf Day – 18th September 2020
For our annual golf day this year, the SUT once again teamed up with the Society for Petroleum Engineers for a collaborative golf day. After the success of last years event we remained at Maylands Peninsula Golf Course and a fantastic day of golfing and networking was had by all that attended.

Capacity was capped at 100 for the event and 25 teams battled it out on the course, followed by a putting competition, before enjoying post-game food and drinks whilst the prizes were awarded. A great day was had by all.

We are very grateful for the sponsors who made this possible including: R&D Solutions and Subsea Engineering Associates.

SUT Perth Sub-Committee Updates

Branch Administration
The 2020-2021 year welcomed new staff member Renae Drew as the Events & Marketing Coordinator, replacing Patricia Slapp who has returned to full time study and continues to assist the Perth branch in a casual capacity.

Australia Branch
contd.

Fiona and Renae continued to effectively manage the branch administration and still take great pleasure in coordinating and organising all of our events, initiatives, administration, membership and accounts for the Society from our West Perth location.

Branch Support
SUT Perth put together a sub-committee a few years back for committee members to assist other branches where they can. Due to COVID no attendance to other branches was possible.

Branch Initiatives
During the year, Perth branch continued with new initiatives. These are below:

Subsea Engineering Competency Framework
- 20/21 SECF accreditations for 6 Engineers

Two new Scholarships offered in 2021
- Digital Automation in Engineering sponsored by SEA; and
- Marine Renewable Energy Scholarship sponsored by Aurora Offshore Engineering

ACNC approval
- SUT has been registered as a charity with the Australian Charities and Not for profit Commission (ACNC)

Hybrid Courses now offered.

Branch Strategy
The committee took the opportunity to review the current Strategic Plan. Under the facilitation of Jatin Lodhia, The committee scan the environment, polled our members and then met to determine the strategy and actions required. The Strategic objectives we agreed are:

1. Engage with Tertiary Institutions
2. Diversification of Membership
3. Be more Active in Knowledge Transfer
4. Value for Membership Money

We identified over 43 actions which are now in progress to begin to meet these objectives.

Engagement
The strategy for Engagement for 2020/2021 was -
- Canvass existing legacy members to understand how we can grow and how they can contribute.
- Increased Operator attendance at ETMs, with a stretch to present
- Stretch to grow our regular sponsorship base and increased membership numbers
- Continued Growth in diversification of SUT Perth branch.
- Continued Synergies with ETM, Engagement and Membership Sub-committees

The COVID pandemic impacted some engagement opportunities with less sponsorship available from companies.

Finance
SUT Perth Branch ran at a surplus in the 2020-2021 financial year of approximately $AUD 66,000. This was a great turn around from the prior year loss of $32,000. This was mainly due to:
- Government funding of Job Keeper
- Face-to-face events were able to held for the whole 2020/2021 year
- Running of Subsea Awareness Courses in September 2020 (Hybrid) and May 2021
- Fewer staff costs with no longer having a Branch Manager

An audited Income and Expenditure Statement for the year will be forwarded to Council following the finalization of the audit in November 2021.

Australia Branch
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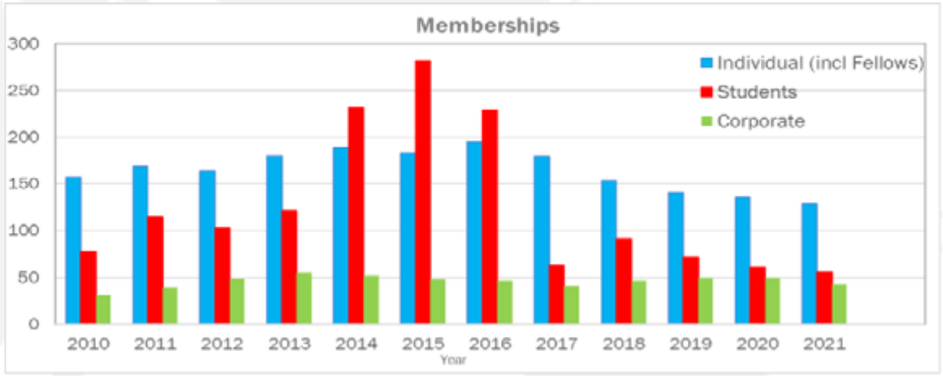
Marketing
Our marketing strategy has remained focused on digital engagement with our members, particularly during 2020/2021. Weekly digital communications have been sent to members encouraging engagement in our online events during the challenges of not being able to run face to face events. There has also been a significant focus from the committee to assist with engagement on social platforms Twitter and Linkedin.

Membership (Perth and Melbourne) as at 30 June 2021:
We finished the year slightly better than we started

• **Australian Branch Membership**	**June 2021**	**June 2020**
- Individuals	130	125
- Fellows	12	11
- Corporate - Local and Global	52	52
- Students (fee paying)	61	61

- **Remote Members:**
- Malaysia, New Zealand; New South Wales; Victoria, South Australia and Queensland

Membership has fallen over time. The substantial change in student membership was as a result of the introduction of fees in the 2015 / 2016 period. All new members are approved by a Membership Sub-Committee. The committee has identified some actions to seek to improve membership numbers.



Mentoring Programme (SUT-SPE-SEA-PESA-PCWA-ASEG-WISE)
SUT ran the Mentoring programme for the 2020/2021 financial year. The mentoring program is run in conjunction with other similar societies in Perth on a rotating basis. Five events were organized throughout the 2020/2021 year.



OSIG Perth Overview – including OSIGp events
OSIGp stands for "Offshore Site Investigation and Geotechnics Perth", which is a special-interest group of the SUT with interests covering the area of the so-called 4G's: Geology, Geophysics, Geomatics and Geotechnical Engineering.

Established in 2012, the OSIGp Committee currently comprises 15 members from various backgrounds

Australia Branch
contd.

(primarily operators, consultants and academics).

As part of its remit, the committee actively pursues and organises technical and also non-technical activities that are of interest to its network including training courses, seminars, and themed movie nights to name a few. Some of the committee's events in 2020-2021 include:

- "Evening GeoForum" featuring topics such as Nuclear Power Safety and Seafloor Pockmarks & Submarine Landslides;
- "Lunchtime Technical Meeting" on the topic of leveraging oil and gas subsea expertise into the offshorue renewables industry.

The committee has also contributed in the past, and will continue to do in the SUT Subsea Awareness courses where presentations are given on positioning, geomatics, geophysics, geohazards and geotechnical engineering.

The Committee is also actively collaborating with other OSIG groups based in the UK and Houston, for example in establishing technical guidance notes on various 4G-related topics.

Thanks goes to all OSIGp committee members past and present (listed below) for their time, enthusiasm and hard work.

- Bryan Bergkamp
- Cathal Colreavy
- Colm O'Beirne
- Damon Sunderland
- Emma Eltringham (*Secretary*)
- Kevin Day
- Laith Tapper (*Chair*)
- Manuel Herduin
- Matthew Kuo
- Michael Cocjin (*Vice Chair*)
- Myra Keep
- Nichole Fiumana
- Raffaele Ragni
- Reza Gholilou
- Tim Pugh





Scholarship Awards

SUT Perth branch has continued with our policy of supporting students studying relevant courses in Australia and displaying a strong interest in continuing into a career or further studies in underwater disciplines. We have now awarded 68 scholarships since 2007.

This year we awarded three scholarships and are pleased at the continued and positive uptake of scholarships by the student fraternity. Scholarship recipients were

SUT Scholarship:	**Georgia Nester**
Chris Lawlor Scholarship:	**Jack Jorgensen**
Marine Renewable Energy Scholarship:	**Eric Gubesch**

Australia Branch
contd.

The Marine Renewable Energy Scholarship is sponsored by Aurora and recognises the applicant with the greatest potential to contribute to the development of marine renewable energy.





Subsea Engineering Competency Framework Project

The sub-committee has completed the framework for subsea engineering competency and agreed a MOU with Engineers Australia (EA) for award of Chartered Professional Engineer in Subsea Engineering [CPEng(Subsea)] and registration on the National Engineering Register (NER) as a Subsea Engineer. The assessment process is led by EA and supported by SUT-nominated SME's who are CPEng accredited.

An information session about the program was planned for March 2020, however was delayed by the impact of COVID-19 so information was distributed to members via email and website published material. A number of applications have been received and successfully accredited since January 2020, and the information session was run in June 2021

Further information is available here: ***www.sut.org/branch/australia-perth/subsea-engineering/overview/***

YES! (Young Engineers & Scientists) Overview – including YES! Events

YES! was formed in 2013 to build a community of young subsea professionals, promoting collaboration and networking to ultimately drive the future of the subsea industry. The Purpose of SUT YES! Is to:

- Promote awareness of subsea industries and link in with universities
- Provide and support professional development of young professionals, students and scientists in subsea industries
- Provide opportunities for networking and informal mentoring for young professionals, students and scientists in subsea and related fields

The new 2020 YES! committee began the year with a challenge, having only one in-person committee meeting before Covid-19 prompted a transition to virtual meetings. The committee responded well, working together effectively to deliver a virtual event during the lockdown period, and to improve YES!'s virtual presence on social media. One valuable initiative to come from this has been interviews with experienced engineers, which will be posted as articles and/or videos on our social media channels (with the first to come very soon). YES! primarily uses events (virtual and in-person) to engage with members; students and non members. During the year there were three successful events (listed overleaf). Full post-event reports on all events can be found at ***http://www.sut.org/events/?tribe_event_display=past***. In addition to events, YES! Committee members have promoted

Australia Branch
contd.

SUT membership and events at universities, supported SUT Mentoring and have a large involvement in the SUT Scholarship program.

YES! currently has two annual sponsors, Woodside (since 2014) and Santos. Many thanks to these generous sponsors.

The YES! sub-committee members' effort and time has been immense throughout the past year and these committee members are:

2020/21 Committee:

- Nathan Atkinson
- Sotiri Battalis
- Jia Xin (Flora) Chiew
- Shannon Dee (*Curtin Student Liaison Officer*)
- Elena Gerginov (*Vice Chair*)
- Joseph Graville
- Sam Hayes
- Tom Hitchmough (*2020 Secretary*)
- Jessica Kolbusz (*UWA Student Liaison Officer*)
- Liang Ming Lee (*2020 Programme & Marketing Lead*)
- Brendon McAlpine
- Alana Pols (*AMC Student Liaison Officer*)
- Nitin Repalle
- Thomas Russell
- Liam Salter (*2020 Chair*)
- Irina Sankoff (*Murdoch Student Liaison Officer*)

YES! events in 2020/2021:

The Young Engineers & Scientists (YES!) Sub-Committee ran the following YES! Evening events over the last financial year:

- 2020 Panel Discussion – 23 September 2020
- 2021 Quiz Night – 18 March 2021
- 2021 Site Visit – 10 June 2021

Year Ahead

Perth branch will be doing a couple of new things in the 2021 – 2022 period in line with their five-year strategy plan 2021-2025:

1. Engage with Tertiary Institutions
2. Diversification of Membership
3. Be more Active in Knowledge Transfer
4. Value for Membership Money

All of the above new activities will support the growth of the society. In the background our committee members will continue to develop existing and new content, leads and opportunities for collaboration with other societies and engagement with other industries with an interest in underwater technology.

The budget for 2021/2022 has been approved by the Finance Committee with a small surplus expected. The budget assumes that live events can be run. The Perth Branch committee are cautiously optimistic about a general market improvement over the year ahead.

Brazil Branch
www.sut.org/branch/brazil

In the period July 2020 to June 2021, the activities of the SUT Brazil Branch have been based on online seminars and short-course as described below.

Seminars on Offshore Renewable Energy

Organized by Human Resources Programs PRH7 and PRH18 from National Petroleum Agency with the support of SUT Brazil Branch.

7 October 2020 - Offshore Renewable Energy: Status and Perspectives
Prof. Segen Farid Estefen
442 attendees | *Watch here on YouTube*

14 October 2020 - Offshore Wind in Brazil: Opportunities and Challenges
Prof. Milad Shadman
563 attendees | *Watch here on YouTube*

21 October 2020 - CFD Application in the Design of Large Offshore Wind Turbines
Dr. Mojtaba Maali Amiri
275 attendees | *Watch here on YouTube*

28 October 2020 - Material and Geometry Properties of Wind Turbine Blade
Dr. John Chujutalli
206 attendees | *Watch here on YouTube*

4 November 2020 - Atmosphere Modeling for Offshore Wind Energy in the Southeast and South Regions of Brazil.
Mr. Luiz Filipe de Assis Tavares
163 attendees | *Watch here on YouTube*

Seminars on Subsea Technology

Organized by Human Resource Program PRH18 from National Petroleum Agency with the support of SUT Brazil Branch.

24 February 2021 - General View of Flexible Pipes: Design, Fabrication and Installation
Mr. Gustavo Gomes
371 attendees | *Watch here on YouTube*

17 June 2021 - Status and Technological Tendencies for ROVs in the Oil&Gas Industry
Mr. Julio C. H. Rebello
111 attendees | *Watch here on YouTube*



Prof. Segen F. Estefen

Committee

Chair Prof SF Estefen
Secretary Prof M Vaz
Treasurer T Netto
Executive Manager
VC Santos

C Bonfim Silva
P Couto
E Labanca
E Nakagawa
C Paulo
M Teixeira

Brazil Branch
contd

Short-Course: From Reservoir to Refinery
Organized by Human Resources Programs PRH7 from National Petroleum Agency with the support of SUT Brazil Branch.

Talk 1: Regulation and Legislation – 1st June 2021 - Dr. Leonardo Oliveira – ANP
1425 attendees | *Watch here on YouTube*

Talk 2: Oil & Gas Regulation – 2nd June 2021 - Dr. Meg Montana Kede de Luca- Shell Brasil
807 attendees | *Watch here on YouTube*

Talk 3: Opportunities for Innovations in the O&G Industry – 8 June 2021 - Mr. Raimar van den Bylaardt – SG Gestão Tecnologia e Ambiental / PhDsoft Tecnologia
636 attendees | *Watch here on YouTube*

Talk 4: Innovation and the Future Professional – 9 June 2021 - Título: Inovação e o profissional do future - Mr. Leonardo Ramalho Machado - Shell
500 attendees | *Watch here on YouTube*

Talk 5: Petroleum Geology - 10 June 2021 - Prof. Jorge P. Figueiredo - UFRJ/IGEO
551 attendees | *Watch here on YouTube*

Talk 6: Applied Technologies for Formation Evaluation – 14 June 2021 - Dr. David Xavier - Halliburton
606 attendees | *Watch here on YouTube*

Talk 7: Reservoir Studies – 15 June 2021 - Mr. Luz Marina Zabala - COPPE/UFRJ
527 attendees | *Watch here on YouTube*

Talk 8: PVT Analyse / Phase Diagram – 16 June 2021 - Dr. Luiz Amado- BHP
422 attendees | *Watch here on YouTube*

Talk 9: Wells Drilling – 17 June 2021 - Dr. Shiniti Ohara- Barra Energia
461 attendees | *Watch here on YouTube*

Talk 10: Drilling Design – 21 June 2021 - Dr. Naisa Arturo - Shell
497 attendees | *Watch here on YouTube*

Talk 11: Well Completion Engineering – 22 June 2021 - Dr. Benjamin Plavnik - H&C Gestão de Risco Consultoria e Engenharia Ltda
407 attendees | *Watch here on YouTube*

Talk 12: Drawing Basic Aspects of the Well Completion - 23 June 2021 - Dr. Antonio Ortiz - Baker Hughes do Brasil
386 attendees | *Watch here on YouTube*

Brazil Branch
contd

Talk 13: General View of Elevation and Flow – 24 June 2021 - Dr. Danielle Monteiro e Dr. Gabriela Chaves – COPPE/UFRJ
354 attendees | *Watch here on YouTube*

Talk 14: Systems of Submerged Centrifugal Pump (BCS) – 28 June 2021 - Dr. Marcos Guimarães - Baker Hughes
477 attendees | *Watch here on YouTube*

Talk 15: NG Process and Oil Refinery - 29 June 2021 - Dr. Alexandre Leiras - COPPE/UFRJ
443 attendees | *Watch here on YouTube*

Talk 16: Process and Refinery - 30 June 2021 - Dr. Patrícia Carneiro - Petrobras
318 attendees | *Watch here on YouTube*



China Branch

www.sut.org/branch/china



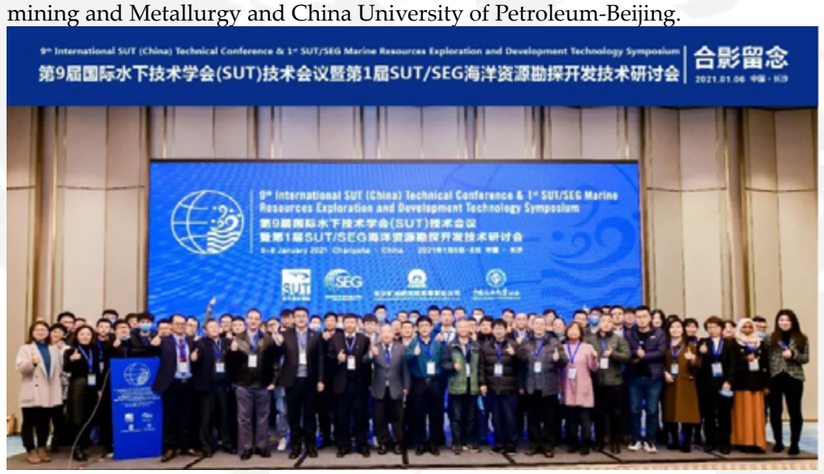
Frank Lim

Committee

Chair Frank LIM
Chair Emeritus DUAN Menglan
Sponsor ZHANG Laibin
Technical Advisors
ZHOU Shouwei
ZENG Hengyi
CUI Weicheng
Secretary SUN Ting
Treasurer ZHANG Yu

AN Weizheng (Beijing)
BAI Xinglan (Zhejiang)
FENG Junkai (Beijing)
LIANG Xu (Zhejiang)
WANG Chunsheng (Daqing)
XIE Peng (Guangzhou)
YAN Jun (Dalian)
ZHANG Dagang (Qingdao)
ZHANG Changzhi (Shenzhen)
ZHENG Hao (Changsha)

SUT China branch successfully organized the 9th International SUT (China) Technical Conference & 1st SUT/SEG Marine Resource Exploration and Development Technology Symposium in Changsha, China from 6-8 January, 2021. The conference was hosted by SUT, SEG, Changsha Research Institute of mining and Metallurgy and China University of Petroleum-Beijing.



Due to the COVID-19, the conference was held both on-site and online.



Ten students were awarded Outstanding Student Presentations in this conference, and the list is shown overleaf.

Future Plans:

The 10th SUT (China) Conference will be jointly held in Dalian, China, from 22-25 October 2021. The theme of this technical conference is "Ships and Marine Engineering Equipment". The conference will be hosted by Dalian University of Technology, co-hosted by China University of Petroleum (Beijing), and supported by universities and research institutions such as Chinese Society of Mechanics, Liaoning Provincial Society of Mechanics, etc. Distinguished experts

China Branch

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in the field of offshore engineering will be invited from the UK, Singapore, Brazil, Malaysia, South Korea, Russia and other foreign countries. Scholars and practicing engineers from China National Offshore Oil Corporation, Harbin Engineering University, Shanghai Jiao Tong University, Zhejiang University, South China University of Technology, Northwestern Polytechnical University, Ocean University of China and Zhejiang Ocean University attended the previous conferences. This conference will be an international and authoritative meeting of domestic and international experts and scholars on key topics such as underwater technology, intelligent manufacturing and monitoring of marine engineering equipment, construction of marine big data platform, and sustainable utilization of future marine engineering equipment and resources.

Outstanding Student Presentations

9th International SUT (China) Technical Conference & 1st SUT/SEG Marine Resources Exploration and Development Technology Symposium

No.	Student Name	University	Presentation Title	Subject	Scssion Chair /Reference
1	**JI Chengcai**	Changsha Research Institute of Mining and Metallurgy	Research on the Flow State of Y-Shaped Pipeline at the Bottom of Deep-Sea Mining Relay Station	Mining	**ZHENG Hao**
2	**DENG Liwen**	Central South University	Numerical Simulation of the Flow Field of Six-Stage Centrifugal Pump with Different Turbulence Models		**HU Qiong**
3	**SU Qi** (Online)	Dalian University of Technology	Optimization Design of Anti-fatigue of Dynamic Umbilical Cable Configuration	Development Solutions / Hardware Design	**SHA Yong**
4	**MWANGANGA Fatuma RAJAB**	China University of Petroleum (Beijing)	Design Modification and Analysis to Improve Stability of a Seabed Structure		**ZHEN Xingwei**
5	**LI Fangda**	Central South University	Volcanogenic Massive Sulfide Deposits Modelling Using Marine Controlled-Source Electromagnetic Method	Exploration / Survey	**LI Lei**
6	**ZHANG Junjie**	Hunan University	Distributed Model Predictive Surge Speed and Depth Control of Multiple Autonomous Underwater Vehicles		**GUO Zhenwei**
7	**CHEN Jiaming**	Zhejiang Ocean University	Dynamic Behavior at TDZ of SCR Under Different Pull-out Velocities from the Soft Clay	Soil Mechanics	**WANG Xianying**
8	**ZHANG Peng** (Online)	China University of Petroleum (Beijing)	The Study of the Debonding Failure Between Tension Armor and Adhesive in Flexible Pipe End Fitting		**FU Guangming**
9	**WANG Yu**	China University of Petroleum (East China)	Experimental Investigation on Vortex-Induced Vibration of the 60°-Staggered Riser Group Coupling Interference Effect	Hydrodynamics / Flexible Pipe / Umbilical / Rope	**YANG Zhixun**
10	**MAO Yandong**	Harbin Engineering University	Research on Lightweight Design for Filling Bodies in the Cross-Section of Umbilical Cables Based on Topology Optimization Method		**CHANG Yuanjiang**



Committee Meeting during the 9th International SUT (China) Technical Conference

Kuala Lumpur Branch

www.sut.org/branch/malaysia-kuala-lumpur



Former Chair - Ajan Das

The KL Branch has once again been in hiatus during this reporting year, as the Chair needed to stand down in 2020 due to work commitments, and as arrangements were being made to find a successor the coronavirus pandemic led to a suspension of Branch activities. We thank former Chair Ajan Das for his service and look forward to resuming Branch activities with a refreshed programme of event when it is safe to do so.

Committee
Chair TBA
Vice Chair
Mr Craig Ferguson
Treasurer
Dr Ir Jeyanthi Ramasamy
Secretary Mr Eka Arora

Mr Shreenaath Natarajan
Mr Feisal Alhady
Mr Rudisham Marjohan
Mr Marian Copilet
Mr Roger Gregson
Mr David Trees
Mr Dino Sidhu
Mr Azhar Zain
Mr Ravi Kiran Kota
Mr Raymond Teo
Mr Ng Choon Peng

London & South of England Branch

www.sut.org/branch/london

SUT LSE is in rebuild mode after the months of lockdown and social distancing. Although remote webinars, podcasts and distance learning are now all part of SUT's remit for disseminating knowledge, another part is the social interaction between our members. We are now in the process of re-invigorating our face-to-face events. Initially this will be through social events and will return to a schedule of presentations the new year.

Our thoughts are to run forum events with three to four speakers on a common theme. Our first will be on Carbon Capture and this is scheduled for February 2022. Although the future is "Net Zero" we will inevitably have ups and downs in our energy supply so in January we will return to the City, for a lunchtime presentation on forecasting the infrastructure needed offshore.

A lot of work has gone into preparing material for a City Subsea Awareness Course (SAC). Sadly, we have not managed to run this. Getting the right software package for booking, presenting, interacting, and recording the online course was difficult. Our intention, therefore, is run a face-to- face course in March 2022. The aims are for a day (or two half days) course with 2-3 speakers. The online course modules, written with great effort by Mark Murawiecki, represents a valuable tome of work that is still valid for a face-to-face course. The one-day course will also adaptable be to different target markets such as for investors in subsea technology.

SUT+ for our younger members is still vitally important. Encouraging their professional development within subsea technology is an important part of knowledge sharing within SUT. Equally it is hoped that they can be "Ambassadors" within their companies *ie* SUT catalysts: posting meeting notices and encouraging event attendance etc. We are actively encouraging links between the London and South Coast SUT+ members and also developing ties to other professional groups such as Lloyds U35s.

Summary

We are looking forward to a return to better more social times with Covid-19 tamed if not vanquished! Engaging with existing, and recruiting new corporate members is key to our future. Covid-19 has brought tough times for many of our corporate and individual members. We really appreciate that nearly all are continuing with their membership subscriptions and still enjoying the great value of the SUT.

The LSE branch is indebted to its committee for ideas and the energy to drive us forward. As ever we welcome anyone to the committee who would like to commit some time to see this important technology society grow.



Richard Binks

Committee
Chair Richard Binks
Deputy Chair
Keith Broughton
Hon Treasurer Iain Knight
Hon Secretary
Graham Taylor
Hon Sec SW Phil Johnston
SUT Events Manager
Jacqui Adams

Alex Argyros
Chris Ashcroft
Duncan Brown
Peter Hayward
Simon Hems
Joe Hulm
Brian Jones
Mazin Eltayeb
Mark Pickering
Mark Murawiecki
George Varelis
Nigel Underwood



Middle East Branch

www.sut.org/branch/middle-east



Adrian Phillips

Committee

Chair Adrian Phillips

Dubai
Graeme Chalmers
Ed Bevan
Steve Goddard
Bob Morgan
Nawin Singh
Farnaz Ghasemi
Bedros Mardikian
Anand Menon
Ashish Rawal
Chris West
Ross Anderson
Lesya Kramarenko

Abu Dhabi
Richard Richards
Bill Hickie
Russell Harper
Brad Kirkland
Spencer Clark
Tarek Al Marzouqi
John Charalambides
Iain Selkirk
Mark Thomer
Neil Dalziel
Ibrahim Fahmy
Evgeniya Mitchell
Katherine Ferguson

The seismic events of 2020 continued well into 2021, so we completely re-jigged the program of events and have run a series of highly successful online webinars. ADIPEC was online so we started planning well ahead of the year and hit the ground running in January 2021 with Nexans 10,000T spread on the Aurora. We ran sponsored events on Conductor Repair with input from Aberdeen, Vessel Certification (a highly topical subject), Composites (growing interest) and finally Subsea Insurance (new topic from the insurance community).

ADIPEC is face to face again in November, but organisers DMG have created a somewhat scaled down Offshore, Marine and Commercial Dive Zone in Hall 14. We will have a stand but unlikely to host the popular X-Talks event where we normally show-case subsea technology.

Middle East continues to be a challenging domain for SUT type activity, with its climactic challenges, transient nature of the expatriate engineering community. Another 35% of the committee has changed jobs or left in the last year. The pandemic has not helped, but we have survived, and the committee has grown. The online momentum has been building and we now have over 1500 subsea professionals in the region with an interest in what we are doing.

We continue to draw the committee from some of the major players in the industry who have all been affected by the pandemic. This year I am proud to say we have all major EPC represented (NPCC, Saipem, McDermott and Subsea 7) and finally ADNOC. Otherwise the committee has representatives from Boskalis, DCN BV, Mermaid, Lloyd Warwick, Connector Subsea, Dolphin Energy, Motive, Pelagian, Prysmian, Baker Hughes, Gulf Marine, Oceaneering, Horizon, Unique, Dolphin, Subtech (James Fisher Offshore), Mermaid, Wood, SPE, Pipeshield and the Tekmar Group. These companies are the subsea industry in the Middle East and all focused-on Aramco, ADNOC and QG (QatarGas) offshore activity in Saudi, UAE and Qatar. I thank all for their continued energy and commitment.

Post ADIPEC we had a full program of events mapped out for 2021/2 under both webinar and our traditional "face-to-face" model, including the EPRS (Emergency Pipeline Repair Systems) event to be hosted by ADNOC in Dec 2021.

All said and done we continue to be at an early stage of our development, without staff, bank account or legal entity but we mark our third anniversary with a return to ADIPEC. We have an outline for a Middle East "Subsea Awareness Course" but looks like SUT has got this online already. It would need a Middle East spin!

North of England Branch

www.sut.org/branch/north-of-england



Unfortunately due to the impact of COVID the NoE committee were not able to arrange any lectures during the reporting period. However, some of the branch committee were able to participate in a joint event with RINA/IMAREST.

The committee is actively looking for additional members to strengthen the branch and bring extra diversity of subsea interests from the surrounding areas.

The branch will be re-commencing visits and talks soon.



Martin Bingham

Committee

Vice Chair & Acting Chair
Martin Bingham
Honorary Secretary
Dr Simon Benson
Treasurer Dr Ian Frazer
Jacqui Adams
Andrew Burton
Marguerite Forde
John Greenwood
Andy Roberts
Michael van Zwanenberg
Denis Vasiljev
Vahid Walker
Elizabeth Waterman
Michael Williams
Nick Wright



Norway Branch

www.sut.org/branch/norway



Nils Vågen

The Norway Branch in Bergen had been 'closed' since the pandemic started. Much like the rest of the world, we experienced lockdown and this meant activity was minimal for the branch.

During the summer months of 2020 we had hope for a slow opening but we were hit hard again by COVID in November. Since then almost everyone who had the opportunity has been working from home, Universities and high schools had been closed and are still not open in some regions. This has been the background for the lack of SUT activities in Bergen, Norway. We are now adjusting and moving to more 'normal' times. We hope this will mean the reopening of branch activities in 2022.

We had been working closely with GCE Ocean Technology, co-hosts of the UTC conference, which took place online in June 2021.

We hope to plan more activities for the branch in 2021-2022.

Committee

Chair Nils Vågen
Manager Tom Erikson

O Hagesaether
GA Johansen
RD Skre
I Westervik

Singapore Branch

www.sut.org/branch/singapore



This report summarizes the SUT Singapore Branch activities and statement of accounts for the calendar year 2021.

In accordance with the Society's Singapore Branch Constitution, the main objectives of the Society are to:

- Promote the further understanding of the underwater environment;
- Encourage cross-fertilization and dissemination of ideas, experience and information between workers in academic research, applied research and technology, industry and government;
- Encourage development of techniques and tools to explore, study and exploit the oceans;
- Encourage proper economic and sociological usage of resources in and beneath the oceans;
- Encourage further education of scientists and technologists to maintain high standards in marine science and technology.

These objectives are achieved by organizing regular industry events we term "Technical Evenings" that provide a platform for subsea technology speakers and also the opportunity for industry networking of members and non-members.

Due to the continued global COVID-19 pandemic this year, all public gatherings were not permitted in Singapore. The year started with an invigorated committee that brought new ideas for our sponsorship program and academic out-reach. However, in accordance with Singapore Government social distancing measures, planned physical activities for 2021 have been postponed until further notice.

This report has been written and issued by the SUT Singapore Branch Executive Committee.

Activities Report

The AGM was held on the 5th December 2020. In addition, for 2021 there were three regular committee meetings held as summarized here:

- 17th March
- 25th May
- 8th September

The objective of the committee meetings is to discuss, organize and action the activities of the Society.

Due to the current restrictions, we needed to adapt to the new situation and rather than hold Technical meetings it was agreed that we would host a Webinar on July 29th on Remote Operations and Autonomous Technology. The webinar consisted of 3 x 15 minute presentations and attracted 160 attendees.

- Dr Ioseba Tena, Global Business Manager for Robotics, Sonardyne. Presenting Sonardyne in Robotics and Autonomy.
- Richard Mills, Vice President Marine Robotics, Kongsberg. Presenting Shore to Shore Operations with Robotic Systems.
- Sam Forbes, Director SpAARC, Fugro. Presenting The Future of Remote and Autonomous Operations.



James Christie

Committee

Chair James Christie
Vice Chair Colin Campbell
Treasurer Wendy Lee
Secretary Jose Manuel Puig

Xiang Liu
Che Keong Lee
Mark Colbridge
Andy Ching
Phillip Thomas
Derrick Chow
Andrew Blears
Petter Nilsen
Derek Donaldson
Anthony Gleeson

Singapore Branch

contd

While the ambition for the SUT Singapore Branch was well intentioned, the local and regional restrictions hampered us severely into our strategy of progressing activities in the region. Our aim is to possibly hold another webinar to add value for our sponsors in Q4 and address the future and forward strategy of the SUT in the region during the AGM in December.

Branch Committee Members

During the 2020 AGM, Anthony Gleeson and Jose Puig resigned from their positions as Chairman and Secretary respectively, replaced by James Christie and Andrew Blears. Wendy Lee assumed the role of treasurer as Che Keong Lee stepped down. Petter Nilson was added as Committee member.

US Branch

www.sut.org/branch/houston



SUT-US is comprised by an Executive Committee and six technical committees; Offshore Site Investigation and Geotechnics (OSIG), Subsea Engineering and Operations (SEO), Group on Environmental Forces (GEFUS), Robotics & Automation (R&A), and Marine Renewable Energy Committee (MREC); by three non-technical committees, the Young Professionals, Education, and Women in Industry Committees; and by five students chapters, Texas A&M University (SUT-TAMU), the University of Houston (SUT-SES-UH), the Texas A&M University – Galveston (SUT-TAMUG), Rice University (SUT-RICE), and Prairie View A&M. All are active groups that meet regularly, and which have active memberships.

Notable efforts:

- SUT-US approved an Intellectual Property Agreement to protect the SUT-US and its presenters from any IP related issues. This agreement should enable the SUT-US to distribute recorded presentation material upon presenters/companies consent.
- The SUT-US held its first Marine Autonomous Systems Virtual Technical Conference & Exhibition.
- SUT-US held its first Online Engineering Competition for 1) college students competing with other college student, graduate, and undergraduate students, and 2) young professionals with 0 to 3 years of professional experience. The organization ran from January 11 beginning with applications, until April 9th with the awards. Participation included 4 teams and 1 individual competitor solving problems in subsea carbon capture, remote subsea power systems and offshore renewable energy. This was sponsored by Subsea Shuttle and Sify. The 2022 competition will open for registration on January 17th.
- SUT-US held its first in-person Networking Event since June 2019. All learning programs have been held remotely, including our flagship Subsea Awareness Course.
- Transition to a 501C-3 organization is ongoing.
- SUT-US helped advertise the call for applications for Requests for Technical Support, RFTSs, to support marine renewable energy (MRE) testing and development projects, through the Testing Expertise and Access for Marine Energy Research (TEAMER™) program, sponsored by the U.S. Department of Energy (DOE) and directed by the Pacific Ocean Energy Trust (POET).

SUT-US' staff is comprised by Mrs. Patsy Rhymes who assumes the coordination of in-person events; Ms. Araceli Lopez who is responsible for the coordination of online events and overall communications for the Branch. Audrey Guzman works as a supporting editor and as an accounting assistant.

A summary of the key activities held at the SUT-US branch for the period of 1 July 2020-30 June 2021 is detailed overleaf.

Members at Large
Education Committee Chair
John Allen
Maria Ancheril
Roger Osborne
Kim Faulk
Christopher Curran
Colin Johnston
MREC Chair
Steven Johnson
Sandra Jakl
Rodolfo Sancio



Tricia Hill

Committee
Hon Chair & President
Tricia Hill
Hon Treasurer and Training Officer Don Schlater
Hon Secretary
Jan Van Smirren

OSIG Chair Andrew Hill
School Touring Chair
Andrew Haigh
Robotics and Automation Chair Fathi Ghorbel
Young Professionals Chair
Patricia Varela
Past SUT Chair
Mark Siegmund
Past SUT Chair
Zenon Medina-Cetina
SUT-TAMU Student Chapter Chair
Connor Boze
SUT-Prairie Student Chapter Chair
Charles Stewart
SUT-UH Student Chapter Chair
Damilola Abe
SUT-Rice Student Chapter Chair
Issam Ben Moallem

US Branch
contd.

Networking Events & Other

Attendance

1. Virtual Networking Event - August 6, 2020: 18
2. Book Presentation Data Analytics for Engineering and Construction Project Risk Management - August 27, 2020: 15
3. Virtual Networking Event - September 3, 2020: 20
4. Scholarship Awards Ceremony September 18, 2020: 33
5. Virtual Networking Event – October 1, 2020: 18
6. Virtual Networking Event – December 3, 2020: 20
7. Virtual Networking Event – February 4, 2021: 5
8. Virtual Networking Event – May 6, 2021: 14
9. In-person Networking Event – June 3, 2021: 15





AGM

SUT US' Annual General Meeting was held on December 4th, 2020. During this meeting, the executive committee introduced the new elected board members:

- Sandra Jackl (Wood)
- Rodolfo Sancio (Geosyntech)
- Roger Osborne(Re-elected)
- Steven Johnson (Consultant)

OSIG Committee

OSIG is comprised of the following subcommittees: Short Courses, Student/Faculty Research, Mentoring and Innovation, Learning Seminars & Webinars, School Touring and Communications. 44 active volunteers form OSIG.

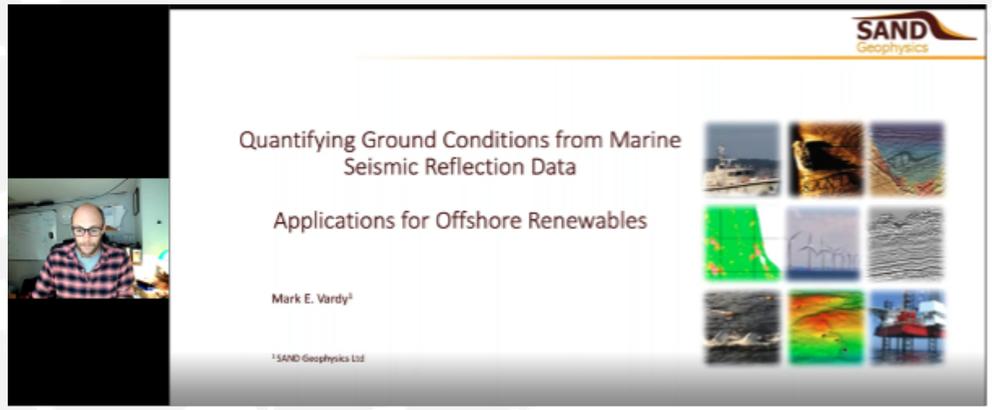
OSIG's activities for the 2020/2021 year have included mainly webinars as listed below:

Learning Webinars

- November 19, 2020 – Gas Hydrates: Significance in Marine Site Characterization and Approach to Assessing Presence and Risk by Dan McConnell, Fugro
  - o Webinar attendees: 20
- December 11, 2020 - High-resolution digital surface modeling for geological insight from the deep blue sea to the largest volcano in our solar system by Dr. Bill Haneberg, Kentucky Geological Survey
  - o Webinar attendees: 11
- April 15, 2021 - Monitoring Top-hole Operations for Geohazards from Start to Finish by Richard Weiland, BHP
  - o Webinar attendees: 27
- May 20, 2021 - Submarine Debris Flow Impact on Pipelines by Arash Zakeri, BP America Inc.
  - o Webinar attendees: 25

US Branch
contd.

- June 24, 2021 - Quantifying Ground Conditions from Marine Seismic Reflection Data: Applications for Offshore Renewables Projects by Dr. Mark Vardy, SAND Geophysics
  - o Webinar attendees: 41



Upcoming events:

- October 20, 2021 – Webinar Integrated Jack-up Rig Foundation Issues
- November 4, 2021 – Webinar the First Source to Sink Measurements of Turbidity Currents: New Insights for Seafloor Infrastructure

OSIG's School Touring Sub-committee has been paused since the beginning of the pandemic. As schools start to re-open this year, the Sub-committee is looking into the possibility of resuming its school visits and/or looking for alternative ways to provide presentations to students (i.e., Youtube). Some of the STEM presentations delivered are: Roving Robots, Geology Rocks, and Are we There yet?

SEO Committee

The Subsea Engineering and Operations Committee (SEO) has transition to SEO Atlantic. Its membership includes 30 individuals from the US, Canada, Mexico, and the UK: Texas A&M University, NOV, TechnipFMC, McDermott, Wood, CIGoM, 2H Offshore, Subsea7, Intecsea, Saab Group, Husky Energy, Dominion Diving, Double Engineering, Angler Solutions, Fugro, Cyprus Hydrocarbons Company,

SEO Atlantic is meeting monthly with technical presentations and discussing about potential learning programs.

Group on Environmental Forces (GEFUS)

19 volunteers form part of the Group on Environmental Forces (GEFUS).

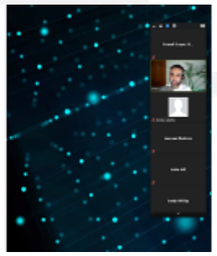
Learning Luncheons, Webinars, Courses & Conferences

- October 22, 2020 – Eyes in the Deep Ocean – Webinar for Texas A&M Student Chapter by Jan van Smirren, Ocean Sierra LLC
  Webinar attendees: 30
- March 31 – April 1, 2021 - Marine Autonomous Systems Virtual Technical Conference & Exhibition
  Webinar attendees: 50
- April 27, 2021 - Expanding the availability of Oceanographic Data in the Gulf of Mexico by Bruce Magnell, Woods Hole Group, Inc. and Jan van Smirren, Ocean Sierra LLC
  Webinar attendees: 24

US Branch
contd.







Robotics and Automation Committee

The Robotics and Automation Committee (R&A) is chaired by Dr. Fathi Ghorbel, Professor at Rice University, and Director of the Robotics & Intelligent Systems Lab. Individuals from the following organizations committed membership: Schlumberger, SAAB, inRobotics, Kongsberg, Chevron, CANRIG, RBR Group, TAMU, UH CL, and Rice University.

Upcoming learning programs will focus on panel discussions on policy issues, standards, or key challenges in robotics and automation and strategies to address them.

Marine Renewable Energy Committee

Steve Johnson, retired Chevron, Chairs the Marine Renewable Energy Committee (MREC). Individuals from the following organizations committed membership: Geosyntech Consultants, Texas A&M University, University of Houston, Wood Group, Prairie View A&M, Siemens, Fugro, Subsea7, Power Engineers, Element, Chevron, JDR Cables, Integral Consulting Services, and BP.

Learning Luncheons, Webinars & Courses

- October 7, 2020 – Testing Expertise and Access for Marine Energy Research Program
  Webinar attendees: 37

Upcoming learning programs:

- October 19, 2021 – Work Scopes and Vessels needed for Offshore Wind O&M by Siemens Gamesa

Education Committee

Four members comprise the Education Committee, chaired by John Allen. This committee is responsible for reviewing SUT US' annual scholarship applications.

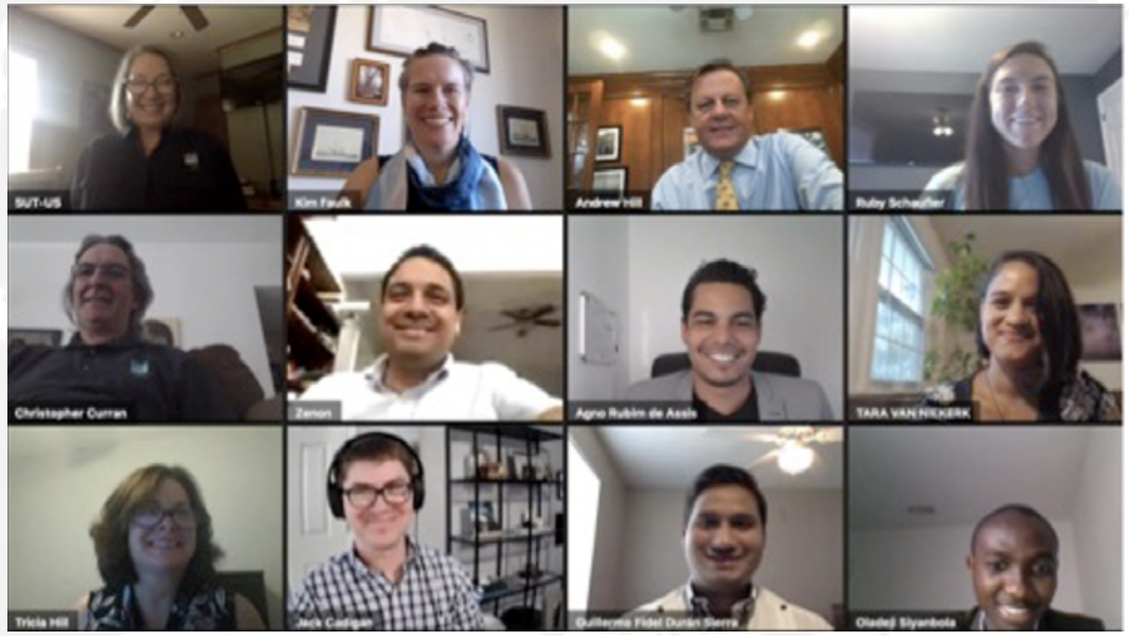
The 2020 scholarship recipients were recognized during the Scholarship Awards Ceremony on September 18, 2020. The selected students by the Scholarships Subcommittee were:

- Ruby Schaufler, Oceanography, Texas A&M University
- Tara Rae van Niekerk, Coastal Resources Management, East Carolina University
- Guillermo Duran, Geotechnical Engineering, Texas A&M University
- Jack Cadigan, Civil Engineering, Louisiana State University
- Agno Rubim de Assis, Hydrographic Science, University of Southern Mississippi
- Oladeji Quadri Siyanbola, Physical Oceanography, University of Houston

Looking to establish clear membership guidelines, the education committee was previously broken down into separate entities, due to size. The board position of Chair for K-12 outreach was created, separating out the University student branch committee as a separate chair. John Allen is requested to assist create university student

US Branch
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branches globally, and discussion has started on how to expand university student branches in the U.S. beyond the reach of the Houston centric executive.



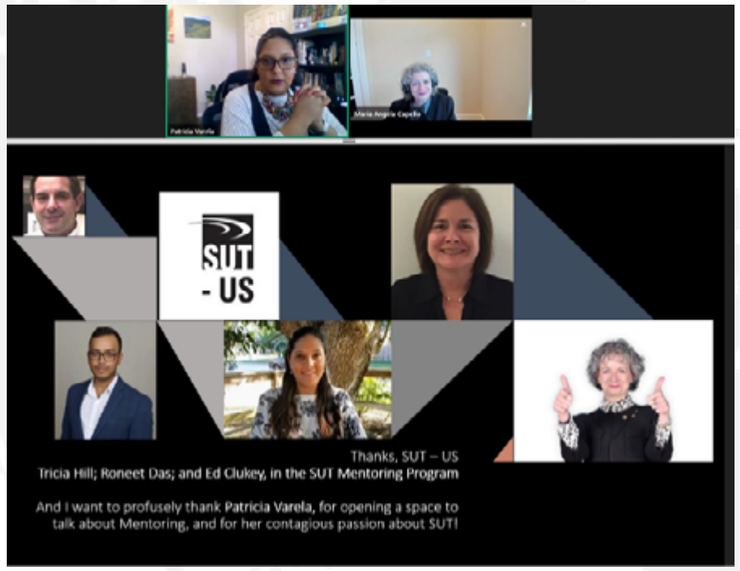
Young Professionals Committee (SUT-YP)

Learning Luncheons, Webinars and Networking Events:

- October 28, 2020 – Webinar Delivering a sustainable low-carbon energy future from offshore renewables by Steve Hall, SUT Former CEO
  Attendees: 21
- January 12, 2021 Webinar Autonomous Survey Vehicles: Where we are and where we are going by Christopher McHugh
  Attendees: 23
- March 2, 2021 – Webinar Digital Data Platforms: A new Way of Working in Oil and Gas Industry by Sachin Mathakari, TechnipFMC
  Webinar attendees: 17
- May 28, 2020 – Webinar A Renewed Outlook on Renewable Energy: Foundations, Installation, and Future Trends for Offshore Wind in the US by Dr. Victor Taboada, Fugro
  Webinar attendees: 55
- April 13, 2021 – Webinar Maximizing the Benefits from a Mentoring Program
  Webinar attendees: 20

US Branch
contd.

The SUT-YP have remained active throughout the past years supporting SUT-US fundraising efforts and its mentoring program.



Women in Industry

The SUT-US Women in Industry Subcommittee (WIND) task force was created to cultivate awareness on inclusion, diversity, mentoring and leadership directly from academia and industry professionals. Its goal is to engage men and women equally through the Champagne & Conversation Series, a platform to learn about how the industry has changed over the past years in terms of diversity and inclusion by gathering senior level professionals as well as young professionals from the offshore energy industry, to talk about their experiences and share their experiences and advice for future industry leaders. WIND is currently led by Luz Zarate, Physical Oceanographer at RPS, and complemented with membership from Chevron, Stress Engineering Services, GEMS, Intecsea, Geosyntech, and KBR.

Champagne and Conversation Series Events:

- May 6, 2021 – Edition 7- Transferable Skills From Oil & Gas to Renewable Energy -Attendees: 50
  Link to event recording: ***https://www.youtube.com/watch?v=bIi5CJNdKZE***



US Branch
contd.

Student Chapters

The SUT-US paused activities for 2020-2021 given the conditions of the pandemic. It was difficult organizing events and recruiting membership.

Due to financial limitations, the Branch was not able to provide sponsorships to the Student Chapters.

Efforts will be undertaken to help the Student Chapters revamp their activities, and the SUT-US is looking for sponsorship opportunities from companies and universities' alumni.

The student chapters' sponsorships help the student communities organize seminars, workshops, meetings, community service activities and competitions throughout the academic year.

In addition to renewable energy, the SUT-US Chair and President, Tricia Hill, envisions the Branch future including virtual meetings as appropriate. Live Learning (workshops and webinars) may remain for a long while. It is a low-cost way to reach more people, particularly people from out of town. The consensus is that hybrid platforms do not provide an equally engaging and satisfying experience for all involved, therefore we expect to have either all virtual or in-person only events.

As for the future of SUT, we see much interest in offshore renewables. Offshore renewables is a broad topic that spans several of our technical committees including OSIG, SEO Atlantic, as well as our newly formed MREC committee. While the subjects vary from seabed preparations in the OSIG committee to carbon capture in the SEO Atlantic committee to supply chain in the MREC committee, the central theme of offshore renewables, particularly fixed and floating wind, are generating more and more interest. We also have recent engagement with academia on the subject including how to transfer traditional offshore O&G skills to offshore renewable jobs. With the downturn in O&G and the uptick interest in offshore renewables, we have started to look at how to help our membership make the career transition and see more clearly how to map their skill set and how to talk about it in a job interview. For perspective, the US goal is 30GW of renewable energy in 2030. The USA currently has 0.032GW of renewable energy in the national grid. Ninerenewable projects in review, all totaling 19GW. Source: Amanda Lefton, BOEM Director.



West Africa Branch

www.sut.org/branch/west-africa



David Agazuma

Committee

Branch President
David R. E. Agazuma
Chair Prof. Francis Ifeayin Anyasi
Vice Chair Nwogu Chukwuemeka Nnamdi
Vice Chair
Dr Anietie Umofia
Vice Chair
Prof. B. I. Imasogie
Honorary Secretary
Dr Oloruntoba Daniel Toyin
Honorary Treasurer
Dr Emmanuel Ufuah
Administrative Secretary
Nnenna Sandra Njoku
Prof. Kingston Nyamapfene
Prof. Peter Azikiwe Onwualu
Prof. M.A. Akintunde
Prof. Mark Adom-Asamoah
Prof. Esther U Ikhuoria
Onuoha Okechukwu
Ogbebor Anthony Osagie
Celestine Imhanbibi Okonokhua
Professor Francis Warings Yao Momade

Like most businesses around the world, SUT West Africa branch activities were adversely impacted by the Covid-19 Pandemic. As always, the safety and wellbeing of our people were the top priorities of the local branch, and we reacted swiftly to implement new ways of working to accommodate the logistical and operational challenges. Our local branch adhered to strict quarantine and testing regimes, while our official meetings exhibited good working practices to satisfy local regulations for social distancing.

These precautions came at a financial cost, but we continue to develop new initiatives and reach out to members while safeguarding the health and safety of our people.

The Branch's relationship with educational institutions of higher learning continues to be strong, with plans to create the Fuel Cell and Hydrogen Technologies special interest group (SIG) in conjunction with Covenant University and the University of Ghana.

The SIG will bring together a group of experts that would consider all technical and safety matters relating to hydrogen, including the environmental impact of the construction and use of hydrogen installations, transmission, distribution, measurement, and utilization. Our plans are to also work very closely with industries locally and internationally in order to effectively deliver the mandate of the committee as regards the generation of Renewable Energy, creation of Hydrogen Economy and the development of Fuel Cell Technologies:

Fuel Cell and Hydrogen Committee's Objectives and Priorities:

- Debate areas of common interest regarding health and safety, share safety alerts across the fuel cell and Hydrogen industry and develop best practice guidelines for its operations.
- Offer suitable references for public domain fuel cell and Hydrogen statistics.
- Introduce guidance and support to member companies regarding Safety Cases, HAZOP surveys and planning investigations.
- Provide expert input to the fuel cell and Hydrogen quality and regulatory debate.
- To agree technical work plans for the preparation or review of Technical Standards or Guidance.
- To prepare and when necessary, revise fuel cell and Hydrogen Series Standards.
- To review and adopt current European and British legislation and Standards, as well as International Standards, relating to fuel cell and Hydrogen. In addition to provide input through proper channels on draft legislation and Standards.
- To examine important fuel cell and Hydrogen related developments worldwide.
- To maintain an effective liaison with regulating authorities and other industry bodies concerned with the Fuel Cell and Hydrogen industry.

Nkiruka Helen Agazuma
Prof Kwasi Obiri-Danso
Prof Osagie Ighodalo
Prof Ukwuoma Okechukwu
Prof. Daniel Obikwelu
Prof. Onwona-Agyeman
Dr. Ahmed Galadima Aminu

West Africa Branch

contd.

- To stimulate knowledge and understanding all through the energy industry and provide training as required by industry. This may be through the Technical Panels, Working Groups, industry experts and training companies.
- To expand local knowledge in Fuel Cell and Hydrogen Technologies through the development and effective delivery of the master's degree programmes in Energy and Green Hydrogen Technologies, Fuel Cell and Clean Mobility Technologies, and Process Safety Engineering.
- To promote research and development in Fuel Cell Electric Vehicles and off grid Fuel Cell Micro power stations.

The West Africa Branch has continued its collaborative engagement with the University of Benin and KNUST Ghana to establish the Centre for Energy Transition & Mobility Technologies in Climate Change. The proposed centre is envisaged to become a dynamic research centre of excellence that will bring together the power of interdisciplinary research to bear on the climate crisis. The centre will be nationally known for its expertise in research, development, applications and demonstrations of clean energy and mobility technologies.

The initiative will build upon the University of Benin and KNUST decades of energy-related research, education, and partnerships from across academia, industry, government, and society to support the collective effort needed to bring about the transition to a low carbon energy system in Nigeria, Africa, and the world at large.

The centre will encourage the formation of renewable hydrogen economies that would offer solutions to many of the social, economic, and environmental issues faced by Nigeria. It will lay out a framework for its vision of the hydrogen economy in Nigeria.

Research Focus:

- Green and Blue Hydrogen Production
- Solid State Fuel Cell Technologies
- CNG/ICE Conversion Technologies
- Fuel Cell power and Electric Vehicle
- Carbon Capture, Storage and Utilization Technologies
- Green Port and Harbour Development
- Energy Transition Systems and Technology Development
- Energy Systems Governance, policies, and strategies
- EV Charging, CNG and Hydrogen Stations Design

The committee of the west Africa branch remains strongly enthusiastic, imaginative, and creative. We are strongly seeking more support and sponsorship from member organizations, industry, education and other learned societies, and we are optimistic about getting desired support as the world transit towards the actualization of net zero carbon emissions.

The branch will continue to pursue and encourage academic institutions and energy companies to sign up for SUT membership. Students at the member universities have also been encouraged to sign up for SUT individual membership in that they are the future players in the offshore and renewable energy technology arena

Education



Sue John

Committee
Chair Sue John

John Allen
Emily Boddy
Fiona Crouch
Jim Grant
Dr. Bev MacKenzie
Roger Palmer
Jonathan Potts
Duncan Purdie
Tim Slingsby

Sadly, the committee has not met during the reporting period July 2020 - June 2021. We hope to reconvene in 2022, and will be looking into ways the committee can deliver events on careers in the subsea industry, potentially paving the way for a career pathway information library.

The well-loved Christmas Lecture series seems to have ground to a halt, that does not mean that there is no will to run them. However, with the steady return of face-to-face events there could still be hope on the horizon that these popular events might return to London and Aberdeen.

The SUT now offers Marine Technologist Registration and Marine Science Registration. In December 2020 we were happy to announce the first SUT Chartered Marine Technologists -

- Tom Bennetts CMarTech of Sonardyne
- John Houlder CMarTech of Sonardyne
- André Rose CMarTech of IMCA

The **Marine Technologist Register** is open to everyone who can demonstrate the required high-level knowledge, understanding, and professional competence. There are many routes that can be measured to meet this standard, including a combination of academic awards, vocational qualifications, and experiential learning through work. Competence includes the knowledge, understanding, and skills that underpin performance.

Chartered Marine Scientists are professionals, who harness, exploit, manage, use or apply marine science in the pursuit of wealth creation and/or the provision of services in the marine sector. Chartered Marine Scientists are characterized by their ability to deal with complex issues, both systematically and creatively and can make sound judgments in the absence of complete data to develop solutions to problems and communicate their conclusions clearly to specialist and non-specialist audiences.

We encourage applicants and welcome those who would like to know more.to go to ***www.sut.org/professional-marine-registration/*** or to contact ***cheryl.burgess@sut.org***.

Six year after it was first published, the 'Lobster Book' as it is fondly known, is still selling copies to young (and not-so-young!) people eager to learn about all things subsea. *Can a Lobster be an Archaeologist?* continues to inspire readers with stories written by SUT members and friends all about our fascinating underwater world. This year we heard the sad news that Bil Loth, the book's champion, and SUT President at the time of publication, passed away. We are ever-grateful to Bil for aiding us in inspiring and educating the next generation with this fantastic book.

International Training

Four very successful virtual courses have been delivered over the last year. All courses were well subscribed to and our expert presenters well-received.

The courses also made an excellent money surplus for the Society. More are to be held in the new year with the possibility of new niche courses. These new courses obviously depend on the generous amount of time that our volunteer course developers can donate for the benefit of the Society.

Andrew Connelly and Emily Boddy continue to do an excellent job with the SUT podcast and remain a good point of contact for the possibility of new members. The podcast took a well-earned break over the summer, Andrew and Emily have been preparing plenty more episodes to take us up to the end of the year. Listen out for some really good conversations with Martin Sayer on Scientific Diving, Dave Shaw on the Underwater Stage at Pinewood Studios, Shruthi Sivadasan of SUT+, Michele Stanley of SAMS on seaweed research, and of course Aleksandra Tomaszek - the Gwyn Griffiths Underwater Robotics award winner!



Sue John

Committee
Chair Sue John

Tony Laing
Paul Benstead
Charles Reith
Graham Whitehead
Keith Broughton
Rex Hubbard
Steve Johnson
Jacqui Adams
Mark Murawiecki
Richard Binks
Iain Knight
David Brookes

Educational Support Fund Management

The Society for Underwater Technology continues to support high quality students through our Educational Support Fund, and each summer we invite applications for scholarships which attract candidates from across the world. Unfortunately, we are not resourced to be able to award funding to everyone who applies (over 30 applicants this year), but we hope to be able to grow the number of awards we make in future.

As two previously supported students completed their degree programmes, the Society was able to make two new scholarship awards. The recipients of grants from the Educational Support Fund are: Vanda Czene who will be studying Marine Biology with Oceanography at the University of Southampton and Erin Nicolson, studying Ecology and Conservation at University of St Andrews.

While students from all over the world are able to apply for the ESF scholarships, several of our Branches operate their own scholarship schemes with USA Branch raising thousands of dollars of corporate sponsorship to support students from Texas A&M, Rice, and Houston universities for now, with others planned for the future. Perth (Australia) Branch also support scholarships. Our China Branch also hopes to support studentships in the next year or two.

Summary of Undergraduates graduated in 2021

University of New England
University of Plymouth

Summary of New/Continuing Undergraduates 2021-2022

Marine Science with Oceanography and Robotics - Scottish Association for Marine Science
Marine Science with Oceanography and Robotics - Scottish Association for Marine Science
Engineering Science - University of Oxford
Marine Biology with Oceanography - University of Southampton
Ecology & Conservation - University of St Andrews

International

The SUT's international committee met in March with former CEO Steve Hall taking on the duties of Chair, enabling Dr David Kirkley to stand down after over 20 years of service in the role. We thanked David, who continues to be a member of the committee, and welcomed Tricia Hill, new Chair of SUT-US and Steve Duffield Chair of Perth branch to the committee.

The committee members preferred to retain the name 'International Committee' rather than move to calling themselves Branch Development Committee as had been suggested by some members of Council, feeling that it reflected the heritage and role of the committee, but agreed that their remit does include ensuring that there is a consistent standard that Branches all over the world including the UK-based ones should follow, promoting the core science, engineering, technology, education and policy interests of the Society for Underwater Technology, in particular making sure that all Branches follow the highest standards of probity and ethical behaviour.

The Committee awaits a report from a sub-group of Council that is exploring how to fairly allocate resources and membership income across the global network, and supported the recommendation from Council Member Steve Johnson, and input from CEO Cheryl Burgess that we go ahead with the development of an Eastern Mediterranean Branch centred on Cyprus. We'll continue to support the efforts of our members in Canada to set up a Branch there.

The Committee accepted reports from all of the current Branches, noting that some have not met for a year due to the global Covid-19 pandemic, and by the time of the next meeting we hope to have heard updates from those who had gone into hibernation awaiting a return to a more normal world.

The Committee is keenly watching developments between SUT and the Marine Technology Society to see how the relationship evolves, and will support Council and the membership in delivering whatever future pathway the Societies choose to follow, initially via the mutual awarding of Chartered Marine Technologist status licensed from IMarEST for those of our members who choose to pursue professional accreditation.



Steve Hall

Committee
Chair Steve Hall

David Saul
David Kirkley
Frank Lim
Tricia Hill
Jim Neffgen
Steve Duffield
Susan John
Laurie Ayling

Policy Advisory



Cheryl Burgess

Committee
Chair Cheryl Burgess

The SUT Policy Advisory Committee did not meet face-to-face in 2020/21 due to the global coronavirus pandemic; committee action and communications were impeded by changes of committee membership. Responses to enquiries from Parliamentary Committees, government departments, agencies and working groups were disseminated to special interest groups for comment and input.

Development of the new special interest groups have broaden the scope for SUT policy engagement in defence, offshore renewables, environmental science and protection.

The Society remains uniquely placed to provide a voice from our members and industry sectors as a learned society helping to inform and educate policy makers about the challenges, issues, solutions, innovations, research, aspects and state of the art underwater technology currently available and in development for future use during the coming decades.

If members are interested in joining the Policy Committee in 2022, please contact *info@sut.org*

Publications

The last issue of the journal Underwater Technology was published by the Society for Underwater Technology in March 2021. The decision to stop publishing the journal was based primarily on the financial position of the Society but the endpoint was perhaps inevitable considering the state of modern-day academic publishing and the ways in which academics are currently assessed. Multinational publishing houses have the resources to support and promote journals in ways that small, learned societies struggle to compete with. Academics are encouraged by employers and funding bodies to publish their research in topical or high-impact journals. Instant open access is now an almost universal requirement even though it can result in significant volumes of research funding going to publishers that make large profits. Whereas rejection from publishing in the higher impact journals used to result in high-quality research re-directing to lower impact journals, there is now the trend of journal "families" that trade based on the high-end family name allowing them to retain the output volume along with the concomitant publication fees. And then there is the impact from the evident corruption of predatory publications that contaminate and erode the academic basis of peer-reviewed publication while generating confusing but competing outputs.

The last issue can be accessed here: *https://issuu.com/sut7/docs/underwater_technology_38.1*

Volume 1, issue 1 of the journal was published in the spring of 1975; 46 years later, volume 38, issue 1 completed the series. I have been the editor of the journal since 2007 and have had the pleasure of working with some great people during that time, but with special mention to the assistant editors I have worked with recently: Mariam Pourshoushtari, Michaelagh Broadbent, Elaine Azzopardi and Emily Boddy. Although there is sadness with seeing the journal coming to an end, I am looking forward to having more time available in the evenings and weekends.

With the closure of the journal, the decision was taken to shut down the Society's Publications Committee.



Martin Sayer

Committee
Chair Martin Sayer
Secretary Elaine Azzopardi

Emily Boddy
Michaelagh Broadbent
Prof Gwyn Griffths
Dr Ralph Rayner

Defence



Nick Swift

Committee
Chair Nick Swift
Deputy Chair
Roland Rogers
Captain Ryan Ramsey
Terry Sloane
Keith Broughton
Matthew Gleed
Ioseba Tena
Alan Noble
David Maclean
Ian Danbury

Activities

March Webinar/Presentation

In March a webinar/presentation was held to present the SIG and what it can offer potential members. The meeting was attended by approximately 20 people, from a range of organisations including large prime contractors to SMEs. A questionnaire was sent to the attendees following the meeting to establish the activities that were most of interested; the results of which are shown in the chart below. The areas of most interest are technology based, including generation of white papers and technical workshops. Training and career development are lowest priorities

Ocean Business

The Defence Special Interest Group also chaired and presented a session of Ocean Business event. There were a number of presentation by SUT Defence SIG, which were:

Introduction to SUT Defence SIG

Nick Swift gave a brief overview of the Defence SIG and its planned scope.

Phorcys – An open and secure acoustic communication standard to enable multi-domain C4 in coalition maritime environments

The speakers for the presentation were Alex Hamilton of DSTL and Jon Davies, the senior technical consultant on the project. The presentation included a review of the recent work done on the open underwater acoustic communication system for the defence industry, including a technical description of the waveforms and the results of recent trials.

NATO Smart Defence Project Anti-Submarine Warfare Barrier

The presentation was given by David Burton is the Director of ASW Barrier Smart Defence Initiative (SDI) at NATO and covered NATO's initiative to build a viable ASW Barrier Technical Demonstrator (hold at risk) that is enabled by the Allied Underwater Battlespace Mission Network. It described how Maritime Unmanned Systems, working in conjunction with conventional manned assets will deliver underwater capabilities of the future.

Question and Answer Session

The workshop includes a question-and-answer session in which one the key themes was how users engage with industry. The Defence SIG will take this as an action to develop a mechanism for facilitating for such engagement.



Future Plans for the Defence SIG.

Now that life is somewhat returning to normal it is time to reinvigorate the SIG and there are some ideas and activities that will be pursued in the future. These include:

- Defence SIG area on the SUT website, including members only information repository
- Presentation at industry events, including:
  - o Under Water Defence and Security – May 2022
  - o Oceanology International (TBC) - March 2022
- Series of workshops

Committee

There are positions available on the committee, so please let me know if you are interested in being involved.



Nick Swift – Presenting the SUT Defence SIG at Ocean Business, Southampton in October 2021

Diving and Manned Submersibles



Martin Sayer

The Diving and Manned Submersibles Committee has not met in the past 12 months. The predominant cause was the Covid pandemic, but its activity has also been significantly impacted by the death of its chair, Dr John Bevan, in 2020.

It is hoped to reconvene the Committee in 2022 following a review of its structure and purpose.

Committee
Acting Chair Martin Sayer
Clerk Emily Boddy

Gavin Anthony
Cdr Alan Bax
Neil Brock
Mark Caney
Taira Caton
Mark Dunkley
Paul Evans
Oliver Firth
Alison James
Gerrard Laden
Sally Marine
Tony Marshall
Garry Momber
Don Shires
Judith Tetlow
Graham Wilson

Environmental Forces

The SUT Group on Environmental Forces (SUTGEF) exists to advance and disseminate knowledge on the environmental forces that act on offshore structures. It is the aim of the group to encourage the advance and dissemination of knowledge in those aspects of the atmosphere and ocean which affect the design of offshore and underwater structures, or which affect offshore and underwater operations; also, the mechanisms by which these environmental factors produce forces on structures.

Adapting to the new normal, the SIG has held one online meeting on 25th with two presentations on wave energy by international researchers (Sweden and Australia). This was well-received and attended by 76 people. The SIG hopes to have another meeting in September 2021, whether this is online or face-to-face, or a mixture of both. We are focussed on issues related to offshore renewable energy, to be in line with Net Zero goal of UK and the world.



Qingwei Ma

Committee
Chair Prof QW Ma
Secretary AN Moore

Prof T Adcock
R Addlesee
Dr R Ahilan
Prof N Barltrop
Dr WJD Bateman
Prof PW Bearman
F Beiboer
Dr M Birkinshaw
Dr E Buldakov
D Carter
Prof DM Causon
Prof JR Chaplin
Dr M Christou
RL Davies
Dr KR Drake
Prof R Eatock Taylor
AJ Fyfe
Dr R Gibson
Prof D Greaves
G Grewal

Dr J Hamilton
Dr G Jeans
M Johnson
I Leggett
Dr A Raby
Dr R Sheikh
Dr E Spentza
Dr J Spinneken
R Sproson
Dr R Standing
Prof P Stansby
Prof C Swan
Prof P Taylor
Dr P Tromans
T van den Bremer
A Watson
W Tan
R Webb
Dr G Weymouth
Dr J Zang

Marine Environmental Science



Katie Cross

Chair Katie Cross
Secretary Lucy Shuff
Events Secretary
Nathan Formosa

Ainslie Casson
Alison Brand
Andy Matkin
Cemlyn Barlow
Cheryl Burgess
Chris Poonian
Damien Kirby
Edward Wort
Gareth MacGlennon
Gary Nicol
Ian Reach
Ian Wilson
Idongesit Ikpewe
Isabelle Rundle
Jack Poleykett
Judith Patten
Katrien Van Landeghem
Matthew Davison
Mick Cook
Paul Collins
Ross Bullimore
Ross Compton
Ryan Mowat

As the seas and oceans of the world become increasingly used as a resource for a host of activities, more and more attention is paid to the environmental impacts of such use. So much so that the SUT established a new Special Interest Group specially for marine environmental science – the Marine Environmental Science SIG. The scope of discussion for the group is wide ranging, and the background, and location, of the current members is testament to this. We are however still open to new members, especially those with an environmental interest who work for operators and the regulators.

To date we have held five virtual meetings and are looking forward to holding the first in person meeting in Southampton, on 13 October 2021, a meeting which is coinciding with Ocean Business. To date the meetings have been focused on exploring environmental science topics of interest. Topics are suggested my members of the group. At each meeting we have had one or two expert guest speakers to introduce a topic. Their presentation has been followed by an open discussion. Marine Environmental Science topics to date have been eDNA sampling and analysis, deep sea mining and Marine Protected Areas. The topic for the next meeting is 'Elephants, seaweed, worms and satellites' which is to be followed by a discussion on the subject of our current energy landscape.

Moving forward we are aiming to hold a virtual/face-to-face meeting every quarter. By exploring different topics, we hope to identify problems/difficulties within the marine environment and begin to identify solutions which help facilitate us all having a positive impact on the marine environment. There is overlap between the issues and discussion subjects that the members of the MES SIG wish to discuss and develop and we are all therefore looking forward to explore any synergies with other SIGs.

Sam Strutton	Samuel Stanton	Stephen Johnson	Vere Ross-Gillespie
Samantha Williams	Sebastian Volkmann	Ute Brönner	

Marine Renewable Energies

The Committee has continued with its usual meetings online with higher attendance due to the need not to travel to London. There has been a speaker at each meeting which has included presentations on OTEC (ocean thermal energy), the Orbital Marine Power O2 tidal energy device, Ocean Power Technologies (wave energy) and Bombora (wave power; and also wave power integrated with floating offshore wind (FOW)).

A report was tabled on non-grid applications of marine renewable energy at the April meeting, with four in progress and a further 13 at the concept or prototype stage. These included production of green hydrogen, desalination and powering oil and gas platforms.

A particular significant event in the last year has been the initiation of the US MREC and there has been input at each UK meeting from its chairman. Two members of the UK committee have also joined the US meetings online. It is encouraging to work with the US Committee as they build up their expertise.

During the year the committee had responded to two different UK consultations. One being the BEIS letter looking for new technologies to be involved in the capacity market, and the other being from the Environmental Audit Committee on tidal range and tidal stream.

The committee reviewed its annual plan at the beginning of the year and highlighted some areas where little progress had been made. This included the need to review the text on the careers part of the SUT web site on marine renewables which was recognised to be out of date and not reflecting the rapid progress that has been made in this field in recent years. This is now in hand.

Considerable progress has been made in floating wind which is now part of the committee's portfolio and is discussed at each meeting

The Lennard-Senior prize for 2020 was presented at the SUT AGM meeting instead of at All-Energy which was postponed due to Covid. The winner was Simon Cheeseman from the Offshore Renewable Energy Catapult.



John Sharp

Committee
Chair Prof J Sharp
Secretary C Burgess
Clerk E Boddy

D Ayling
N Bennett
D Brookes
K Buckle
S Cheeseman
J Colby
P Davies
P Fraenkel
J Grant
J Griffiths
C Hanly
J Hulm
G James
S Johnson
D Kerr
Dr S Merry
N Morgan
T Morris
M Murphy
Dr R Norman
J Patten MBE
G Plant
T Sawyer
T Van Der Kammen
S Wilson
M Wright

Offshore Site Investigation and Geotechnics



Neil Morgan

Committee
Chair Neil Morgan
Secretary Tim Carrington

Peter Allan
Ricardo Argiolas
Jon Arthur
Paul Baggaley
Mike Baker
Andy Barwise
Andrew Benson
Emily Boddy
Scott Boyce
Michael Brown
Nigel Carey
Eric Cauquil

The past twelve months have been busy and successful for the OSIG committee. Since March activity has continued with online discussions and meetings where possible. In September we had our first meeting with physical attendees and a high online attendance. The key highlights of the past year are summarised below.

Organisation of Committee

In the September 2021 meeting it was agreed that we would reorganise ourselves to be considered as a Special Interest Group. Given the continuing interest in membership and ever-growing list of members it seems more appropriate that OSIG retains a smaller executive committee to attend to administrative matters and concentrate the quarterly meetings on technical matters and industry networking. Smaller working groups will be formed to address particular topics or discussions. We will shortly begin the process of forming an executive committee and working with the new structure.

Short courses for industry and students

A physical event on the theme of "Energy In Transition and the Impacts for Site Investigation and Characterisation" went ahead in Newcastle in September 2021 with over 110 attendees including speakers and sponsors. It was great to see this event go ahead and be so well attended and, with the ongoing COVID situation, the success was down to the hard work and persistence of the organisers.

The annual one-day course for Master's students at Imperial went ahead in the online format and had over 100 attendees.

Preparation for an online short course to be held in November 2021 is well underway and this will present similar topics to the previously successful two-day courses. The delivery of material will be supported by worked examples to ensure audience engagement and learning.

OSIG Conference

Planning work for the OSIG conference has continued with the development of

David Colliard
William Cleverly
Mick Cook
David Coursey
Michael Cowie
Karen Dalton
Andrew Deeks
Justin Dix
Phil Durrant
Jim Edmunds
Phil Edwards
Mark Finch
Ian Finnie
Scott Gooding
Chris Golightly
Kevin Hampson
Aime Harrison
Majid Hesar
Ray Hobbs
Dei Huws
A Ivanovic
Richard Jardine
Suzanne Lacasse
Thomas Langford
Peter Larkin
Vincent Latron
Mark Lawrence
Dafydd Lloyd-Jones
Tom Lunne
Alisdair MaConochie
Chris Martin
Rich Metters
Neil Morgan
Simon Oakley
Richard Orren
Julian Osborne
Miguel Pacheco-Andrade
John Powell
Toby Powell
Oyvind Ruden
David Rushton
Rupert Rowland
Richard Salisbury
Roi Santos
Alex Searle
David White
Phil Wilson
Gareth Wood
Guangquan Xu
Alice Maynard
Felix Schroeder
Chris Almond
Paul West
Anna Wolowicz-Trouwborst

Offshore Site Investigation and Geotechnics *contd.*

conference themes, a scientific committee and keynote speakers in the process of being identified. The conference will take place in London from the 12th to 14th September 2023 with an announcement early 2022. Sponsorship will be a key factor to a successful conference and the process for obtaining sponsorship will soon begin.

Guidance notes and standards

The final version of, 'Guidance notes for Geophysical and Geotechnical Ground Investigations for Offshore Renewable Energy Developments' that was published in 2014 has been updated and it is hoped this document can be made available in early 2022. The document presents a considerable update to the previous version published in 2014 and the update is in the final draft stage. We also hope to arrange a physical launch event once the document is ready.

Work on updating the other SUT-OSIG Guidance Notes has also progressed with sub-committees continuing work on the following documents:

- Site Investigations for Marine Pipelines and Subsea Structures
- Work has also commenced on the production of a new guidance note on the shallow gas risk in geotechnical drilling.

Members also continue to actively participate in the following international standards:

- ISO Standard 'Marine Soil Investigations'
- ISO Standard 'Geophysical Site Investigation'
- ISO Standard 'Geotechnical and foundation design considerations'
- OGP-D 'Guidelines for the Conduct of Offshore Drilling Hazard Site Surveys'

Closing comments

The OSIG committee has continued to work hard on the short courses and guidance notes. It is hoped that physical meetings can continue to ramp up and that online participation in these will continue to be possible.

Salvage and Decommissioning



Moya Crawford

Committee
Chair Moya Crawford
Chair Karen Seath
SUT CEO Cheryl Burgess
Coordinator Abigail Davies

Vidar Åhjem
Eliana Mercy Araujo
Felicity Arthur
John Baxter
Alison Brand
Simon Burney
Kevin Campbell
Sarah Canning
Andrew Chamberlain
Nick Donnelly
Arnstein Eknes
Jim Elliott
Mike Elliot
Kate Gormley
Lee Hanlon
Becky Hitchin
Hannah Hood
Mark James
Nigel James

After another successful year of monthly meetings in the Decom and Wreck Removal (D&WR) sub-committee, with continued growth in numbers and interest; and concurrently with the opening of the D'Arcy Thompson Simulator Centre (@D'Arcy) at the University of St Andrews; and also a re-vamping of the Sensors and Platforms Forum in the Marine Alliance for Science and Technology Scotland, with which we work closely, the decision has been made to restart the Marine Salvage and Emergency Subsea Response sub-committee, in order to improve interaction across the marine space. The themes of innovation and technology will be shared equally across the two sub-committees. This is considered to be a very important step in the light of increased focus across all sectors on sustainability, responsibility and ecosystem impact.

A key development has been the formation of the X-COM Working Group, led by Dr Alison Brand. This specialist interest group (sig), within a Specialist Interest Group (SIG) focuses on the use of explosives in the marine space as a cutting technique. Its remit is to create a set of open consistent and transparent metrics to benchmark the respective efficiency and ecosystem impact of various cutting options, taking a holistic, lifetime approach, and time and place into consideration. A focussed effort has been made to achieve a good working interface with the Unexploded Ordnance (UXO) SIG and the Marine Environmental Science (MES) SIG, both of which are also newly formed, with members from the Decom and Wreck Removal sub-committee sitting on both.

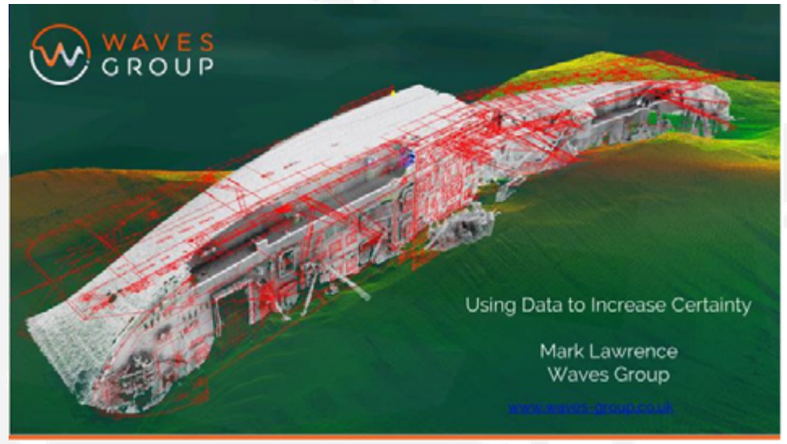
In terms of the impact of COVID, the annual SUT/MASTS Salvage, Decommissioning and Wreck Removal workshop was held on 8th and 9th October online using the HOP-IN platform; the latter being very ably organised by MASTS' Hanna Ladd-Jones. The theme for 2020 was, 'Informing Global Sustainability Challenges' and the event was well-attended; with the benefit of a virtual meeting being that speakers and attendees who would not normally find the time to travel to Glasgow, being able to attend. This included a significant number from abroad. Paul Wheelhouse, Minister for Energy, Connectivity and the Islands, for the Scottish Government gave the keynote address and Laura DeLaTorre, Deputy Secretary, OSPAR opened the Friday morning session, giving an overview of its strategy. Highly sensitive subjects, such as 'rigs to reefs' and the use of explosives were discussed and we even ventured into space with a presentation on 'A holistic, ecosystem impact approach to satellite launch and rocket recovery, by Alan Thompson, Government Affairs, Skyrora.

We would very much like to thank Sponsors, Waves Group, Invest in Fife and CessCon for their continued support of the Workshop, as the money they donate literally helps us to bring people with an interest in the underwater marine space together – a key measure of success for the Society, as a whole.

Looking forward, the SPE Offshore Europe exhibition event planned for September 2021, where we have been invited to hold a session in the Decom Zone, has been postponed until February 2022.

Tony Laing	Thomas Miller	Bill Ritchie	Dan Stewart
Mark Lawrence	Joel Mills	Murray Roberts	Simon Swallow
Hannah Lawson	Peter Oliver	Sally Rouse	Win Thornton
Andy Liddell	Kilian Palop	Erin Sherratt	Tom Walters
Andy Matkin	David Paterson	Mark Shields	Martin Watts

Salvage and Decommissioning *contd.*







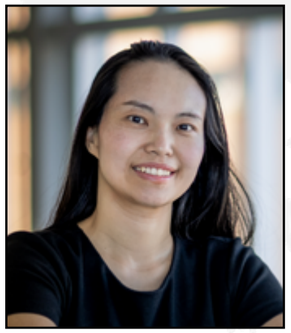
International Underwater Vehicles and Robotics Group



Neil Bose



Mario Brito



Bo Thanyamanta

Committee

Chair Neil Bose
Co-Chair Mario Brito
Secretary Bo Thanyamanta
SUT CEO Cheryl Burgess

Luke Alden
Brian Claus
Nathan Ehrenholz
Shuangshuang Fan
Alex Forrest
Gwyn Griffiths
David Hopkin
Alex Johnson
Chris Kaminski
Bill Kirkwood
Florie Mancel
Richard Mills
Alex Phillips
Supun Randeni
Rolly Rogers
João Sousa
Ivan Stenius
Maxine von Eye
Anna Wahlin
Bungy Williams
Jingjing Xu
Wen Xu
Yanwu Zhang
Fumin Zhang
Ting Zou
Mingxi Zhou

For the SUT/ECOR Panel on Underwater Robotics, our online meetings have continued twice yearly through the pandemic, although we missed the chance to meet face-to-face at the IEEE OES AUV 2020 conference hosted by Memorial University from 30 Sep-2 Oct, 2020. Our meeting was held alongside the conference on 28 September 2020 and was open to all conference attendees. The Chair, Dr. Mario Brito, Co-Chair, Dr. Neil Bose, and 16 attendees from the UK, USA, Canada, Norway, Australia, and Portugal met to discuss the advancement in AUV technology and the republishing of the Polar AUV Best Practices Guide. We met again on 31 May 2021 where we attempted to expand our group by inviting younger AUV professionals and researchers leading to new participants from Singapore, Sweden, and China.

The SUT Polar AUV Guide website is now ready to be linked to the SUT website as we expect more hands-on AUV Case Studies from our members. We recommended to SUT Council the first winner of the Gwyn Griffiths Underwater Robotics Award (GGURA 2021) which aims to recognize people in the early to mid-stages of their career who have made outstanding contributions to their field in underwater robotics. GGURA 2022 is now open for nominations and will be awarded later in 2022 You can submit a nomination via the SUT website at *www.sut.org/gwyn-griffiths-underwater-robotics-award-ggura/*. We also initiated a speaker series of various marine robotics related topics ranging from operations, designs, and field trials. Our next meeting will be held virtually later in 2021. We are planning to meet face-to-face again in Singapore at the IEEE OES AUV 2022 conference.

Future Direction

- Continue to include the option to meet virtually to ensure we maintain a true international engagement.
- Continue to add to the diversity of our members.
- Focus on increased diversity in the nominations for the GGURA.
- Track the future latest developments in underwater robotics.

Unexploded Ordnance (UXO)

The inaugural Unexploded Ordnance (UXO) Special Interest Group (SIG) was held virtually on 5th February 2021. The SIG was set up after approaches to Mick Cook from several personnel working in the offshore wind industry who expressed concern about the inconsistency in approach to UXO issues within this burgeoning sector. The primary intent of the SIG is to identify and to address such issues and to eventually seek to provide guidance and education to practitioners.

Initial membership has been confined to offshore windfarm developers and representation is provided by Orsted, Tennet, Shell, SSE, Vattenfall, Innogy (RWE), Energinet, Equinor, Scottish Power, Amprion, EDF, BT and Guernsey Electricity. At an appropriate point in the future, membership will be opened-up to all stakeholders.

The SIG is very much an international group including representatives from the UK, USA, Norway, Denmark, Germany, France and The Netherlands.

Since February 2021, we have held four very successful online meetings with 10-15 people in 'attendance'. At each meeting we have had presentations from members on a range of topics and each meeting has had 2+ discussion topics.

We are currently in discussions with two other SUT SIGs - Defence and Decommissioning - about how we can share knowledge.

We have just begun planning a full-day workshop open to all that we hope to run in conjunction Oceanology International in March 2022.



Mick Cook

Committee
Chair Mick Cook
Events Secretary Dorthe Reng Erbs-Hansen

Andy Barwise
Kevin Clements
Eric Cauquil
Sally-Ann David
Anja Drews
Michael Hahn
Lucy Malou Henningsen
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Richard Hill
Simon Hviid
Deanne Hargrave
Benoit Jouy
Rasmus Juncher
Andrew Kirkland
Robert Koens
Matthew Le Maitre
Eoin McGregor
Julian Osborne
Dave Sharp
Frank Steinhoff
Soren Stricker Mathiasen
Wolfgang Thiessen
Annelies Vanstraelen
Helge Vosberg