

Quarterly Journal of Mechanics and Applied Mathematics

Trustees' Annual Report: 2 March 2022 – 1 March 2023

Charity registration number: 211632

Address: University of Nottingham, University Park, Nottingham NG7 2RD

Trustees: Professor J R King
Professor C M Linton
Professor A N Norris
Professor S L Waters

Structure, Governance and Management

The Trust is governed according to the Trust Deed dated 31st October 1956 as amended by the Deed dated 19th January 2015. The Journal is overseen by the Trustees in consultation with its Executive Editors. Trustees are selected from the Mechanics and Applied Mathematics community by the existing Trustees on the basis of their capacity to facilitate the Trust's objectives

Objectives and Activities

The Trust seeks to promote and facilitate scientific research and education in Mechanics and Applied Mathematics. The Trustees have recently secured a profit share from the Journal's publishers, Oxford University Press (OUP), in order to provide grants to support activities in keeping with these objectives and thereby to promote the Journal.

Financial Review

The only items of income and expenditure during the year are detailed below:

£74,213	(Profit-share from OUP)
£50,000	(Grant to IMA for QJMAM Fund)
£6,000	(IMA administration fee for QJMAM Fund)

The Trust held £422,248 in cash funds on 2 March 2022 and £440,461 on 1 March 2023. The Trust has no liabilities and no other assets.

Because the initial payments from Oxford University Press included profit share from earlier years, the Trustees maintain a reserve in order to sustain the level of grants as payments decrease, as well as for contingencies. We continue to see the expected increased requests for funding following the removal of COVID restrictions, this being evident in the awards noted below.

Achievements and Performance

The QJMAM Fund for Applied Mathematics exists to support UK research in the broad area of applied mathematics and theoretical mechanics. The Fund makes a grant to the Institute of Mathematics and its Applications (IMA, a charity with aims compatible with those of the Trust), who then distribute grants to successful applicants, a payment being made to the IMA for the efficient administration of this process. Applications for grants from the Fund were assessed by a panel comprising senior academics from the Universities of Brunel, Cambridge, Manchester, Liverpool, Nottingham and Oxford, ably chaired by one from Rutgers University:

Chair: Professor Andrew Norris (Trustee)
Panel members: Professor Anne Juel
Professor John King (Trustee)
Professor Stephen Langdon
Professor Natasha Movchan
Professor Nigel Peake
Professor Sarah Waters (Trustee)

Over the year, there were two widely publicised open funding calls. As indicated above, the funds awarded were subsequently distributed by the Institute of Mathematics and its Applications, to whom awardees were required to report back on their use.

Grant awards (listed below) covered a range of activities. Awardees spanned a range of career stages (with early career researchers well represented), and we believe awards to have been of considerable benefit given the dearth of other suitable funding mechanisms.

Round	Name	Institution	Award £	Title / Description
1	John Alexander	Manchester	561	Attending EFMC14 (European Fluid Mechanics Conference) to present work completed during my PhD.
1	Konstantinos Baxevanakis	Loughborough	1500	To present recent research results at the European Conference on Fracture 2022 (ECF23) - Madeira, Portugal (June-July 2022).
1	Tatiana Alessandra Bubba	Bath	1200	Attending IPMS (Inverse Problems: Modelling and Simulation) 2022 in Malta to present two invited talks.
1	Jan Cammann	Loughborough	840	Attending the Active & Intelligent Living Matter conference in Italy to present my research on microbial motility.
1	Qi Chen	Manchester	2000	Attending Interpore 2022 in Abu Dhabi to present my work.
1	Rosemary Dyson	Birmingham	1620	Attending SIAM Life Sciences 2022 in Pittsburgh, and presenting research in a minisymposium (invited).
1	Lloyd Fung	Cambridge	651	Attending Microscale Ocean Biophysics 6.0 in Spain to present my work.
1	Jack Lawless	Manchester	900	Attending EFMC (European Fluid Mechanics Conference) 2022 in Athens to present my research.
1	Haolin Li	Manchester	2000	Attending 9th World Congress of Biomechanics 2022, Taipei, China, to present my work.
1	Apala Majumdar	Strathclyde	1200	Partial Support for LMS Durham-Oxford-Strathclyde network meeting in Durham in June 2022.
1	Matthew Moore	Hull	900	Attending EFMC (European Fluid Mechanics Conference) 2022 in Athens to present my work.
1	Draga Pihler-Puzovic	Manchester	1100	Attending 14th European Fluid Mechanics Conference to present work on Hele-Shaw flow.
1	Alison Ramage	Strathclyde	1000	Support for hosting the ICIAM Workshop on Applied and Industrial Mathematics 2022.
1	Silvia Rognone	Queen Mary	1500	Attending Complex Systems Summer School at Santa Fe Institute to build my career up as a young researcher.
1	Xiaocheng Shang	Birmingham	600	Support of early career researchers and PhD students to participate a conference in Birmingham.
1	Konstantinos Soldatos	Nottingham	700	Active participation in an International workshop on The Evolving Nonlinear Continuum Panorama (Castro 2022), Spain.
1	Matteo Taffetani	Bristol	1300	Attending European Solid Mechanics Conference (ESMC2022) in Galway to present work on buckling/bifurcation.

1	Matthias Winter	Brunel	475	Attending SIAM Conference 2022 to present work on reaction-diffusion system modelling, including a planned submission to QJMAM.
1	Lisa Maria Kreusser	Bath	2000	Travel funding to present at SciCADE (International Conference on Scientific Computation and Differential Equations) in Iceland in July 2022.
2	Alberto Alberello	UEA	1800	Presentation at WISE meeting 2023 in Princeton.
2	Siluvai Antony Selvan Antony Ravichandran	Manchester	1840	Attending 75th Annual Meeting of the APS Division of Fluid Dynamics to present my work.
2	Martine Barons	Warwick	900	Attend the Australasian Bayesian Network Modelling Society conference 2022.
2	Mark Blyth	UEA	1600	Attending ICIAM 2023 in Tokyo to run a minisymposium.
2	Marcos Caso Huerta	Northumbria	800	Research visit of Prof Piergiulio Tempesta from Spain to Northumbria University.
2	Alan Champneys	Bristol	2000	To fully support one plenary speaker at the BAMC 2023.
2	Debasish Das	Strathclyde	1500	Attending APS DFD and SIAM Conference on CSE to present my new work on modelling heterogenous fluids.
2	Patrick Farrell	Oxford	10000	Numerical Analysis in the 21st Century, a conference to celebrate the retirement of Prof. Nick Trefethen.
2	Paul Griffiths	Coventry	1500	Supporting a COVID-delayed research visit to The University of Sydney's Mathematical Research Institute.
2	Melissa Iacovidou	Warwick	1000	Attending American Society of Tropical Medicine & Hygiene ASTMH 2022 to present my work.
2	Vladimir Krajnak	Bristol	1302	Attending Roaming Workshop at Michigan State University.
2	Marc Pradas	OU	1700	I will attend the APS DFD meeting and present the talk "Droplet evaporation on inclined patterned substrates".
2	Silvia Rognone	Queen Mary	1600	Attending the Young Researchers Warm Up and presenting my work at the Conference on Complex Systems a Palma de Mallorca.
2	Alessio Spurio Mancini	UCL	1800	Organising workshop at UCL. SBI-X: advancing applications of Simulation-Based Inference in scientific research.
2	Sharon Stephen	U of Sydney	1200	Visit to Aston University to collaborate with Dr Paul Griffiths and his research team.
2	Jakub Stoczek	British Antarctic Survey (BAS)	3000	Incorporation of basal crevasses into a viscoelastic fracture model on ice shelves.
2	Helen Wilson	UCL	7500	Partial funding of the UK fee to IUTAM.
2	Noah Day	Adelaide	1300	Support a collaboration with Dr Alberto Alberello and Professor Emilian Parau at

				the University of East Anglia targeted at advancing integration of mathematical models of Antarctic marginal ice zone dynamics into numerical models used for climate projections.

Rigorous assessment of grant applications, together with continued effects of the pandemic, has led to a portion of the funds being held over to subsequent funding rounds (being held by the IMA in a restricted account on behalf of the Trust), the above awards totalling £64,389.

We have been pleased with the uses to which the funds have been put. The Trustees were satisfied that the Journal produced a public benefit over the year.

Declaration

The Trustees declare that they have approved the Trustees' report above.

Signed on the behalf of the Charity's Trustees

Signature: *J.R. King*
Full Name: John Robert King
Position: Chair of Trustees
Date: 21/12/23

Annual accounts for: Quarterly Journal of Mechanics and Applied Mathematics

Charity Number 211632

Twelve-month period ending 1 March 2023

Opening reserves	£422,248
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Income

25/02/2022	Receipt from Oxford University Press	£74,213
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Expense

27/01/2023	Grant to IMA for QJMAM Fund	£50,000
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27/01/2023	IMA administration cost	£6,000
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Closing reserves at 01/03/2023	£440,461
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supported by

cash at bank at 01/03/2023	£440,461
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Section A

Independent Examiner's Report

**Report to the trustees/
members of**

Charity Name

Quarterly Journal of Mechanics and Applied Mathematics

**On accounts for the year
ended**

2022/2023

**Charity no
(if any)**

211632

Set out on pages

(remember to include the page numbers of additional sheets)

I report to the trustees on my examination of the accounts of the above charity ("the Trust") for the year ended 01/03/2023.

**Responsibilities and
basis of report**

As the charity trustees of the Trust, you are responsible for the preparation of the accounts in accordance with the requirements of the Charities Act 2011 ("the Act").

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

**Independent
examiner's statement**

I have completed my examination. I confirm that no material matters have come to my attention (other than that disclosed below *) in connection with the examination which gives me cause to believe that in, any material respect:

- accounting records were not kept in accordance with section 130 of the Act or
- the accounts do not accord with the accounting records

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

** Please delete the words in the brackets if they do not apply.*

Signed:

Date:

19/12/2023

Name:

WILLIAM ORRIDGE

**Relevant professional
qualification(s) or body
(if any):**

ACA

Address:

RUTLAND BUILDING, LOUGHBOROUGH UNIVERSITY

EPINAL WAY, LOUGHBOROUGH

LE11 3TU

Only complete if the examiner needs to highlight matters of concern (see CC32, Independent examination of charity accounts: directions and guidance for examiners).

Give here brief details of any items that the examiner wishes to disclose.