

Quarterly Journal of Mechanics and Applied Mathematics

Trustees' Annual Report: 2 March 2023 – 1 March 2024

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 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:

£71,926	(Profit-share from OUP)
£1,200	(Legal fees relating to CIO formation)
£50,000	(Grant to IMA for QJMAM Fund)
£6,000	(IMA administration fee for QJMAM Fund)

The Trust held £440,461 in cash funds on 2 March 2022 and £455,187 on 1 March 2023. The Trust has no liabilities and no other assets. The Trustees are in agreement that it would be appropriate to convert the Trust into a Charitable Incorporated Organisation and the legal fees above are associated with this ongoing process.

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 are continuing to see increased requests for funding following the removal of COVID restrictions and the decreasing availability of comparable funding from other sources, 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. Demands on the fund are increasing, indicating that its value is becoming more widely recognised. A significant proportion of this year's allocation was devoted to assisting UK researchers in participating in ICIAM (the International Congress on Industrial and Applied Mathematics) 2023, this being the most significant conference in the field, usually taking place every four years.

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	amount	purpose
1	Kamran Pentland	Warwick	900	To present poster at the ICIAM 2023 conference in Tokyo.
1	Anna Kalogirou	Nottingham	900	To give a talk at the ICIAM 2023 conference in Tokyo.
1	Melissa Iacovidou	Warwick	900	PhD in mathematical epidemiology. Present poster on side project stemming from work at a GMC at ICIAM 2023 in Tokyo.
1	Matteo Sommacal	Northumbria	900	Give talk and chair a minisymposium at ICIAM.
1	Simon Finney	Oxford	900	To give a talk at ICIAM 2023.
1	Mohammad Salehi	Bath	900	To give a talk at ICIAM 2023.
1	Kostas Papafitsoros	QMUL	900	Give talk and chair a minisymposium at ICIAM and a talk at AIP in Germany in September
1	Tatiana Bubba	Bath	900	To give a talk at ICIAM 2023.
1	George Booth	Oxford	900	To give a talk at ICIAM 2023.
1	William Parnell	Manchester	2000	Three pronged collaborative activities in Colorado in summer 2023.
1	Neil Chada	Heriot Watt	900	To give a talk at ICIAM 2023.
1	Francesca Scarabel	Leeds	500	To attend a summer school in Italy in June.
1	Alexander Wray	Strathclyde	900	To give a talk at ICIAM 2023 and at Droplets2023 in Beijing.
1	Marco Discacciati	Loughborough	900	For two one-week visits, one to Loughborough and one to Brescia.
1	Paul Griffiths	Aston	500	Support for two undergraduate female students for a summer project.
1	Gabriele Di Bona	Queen Mary	300	Attending CompleNet 2023 in Oporto to present work.
1	Daniel Netherwood	UEA	1000	To present work published in QJMAM at APS DFD in Washington DC.

1	Marcos Caso-Huerta	Northumbria	700	Research visit to Waseda University before attending ICIAM 2023.
1	Neofytos Rodosthenous	UCL	600	To present at SIAM conference on Financial Mathematics in Philadelphia.
1	Jingsi Xu	Manchester	600	To present work in Mathematical Epidemiology at NORDITA in Stockholm.
1	Timothy Reis	Greenwich	1000	To help fund a one-week school on lattice Boltzmann methods for fluid dynamics.
1	Erik Hörmann	Oxford	400	Research visit to the Santa Fe Institute.
1	Silvia Rognone	QMUL	200	To present at CompleNet 2023 in Portugal.
1	Daniel Boutros	Cambridge	600	To attend the Les Houches summer school on fluids.
1	Xiaocheng Shang	Birmingham	300	Partial support for a two-day Molecular Dynamics workshop.
1	Silvia Gazzola	Bath	500	To present at SIAM Optimization conference in Seattle.
1	Martin Walker	Surrey	500	To present at the ASCE Engineering Mechanics Institute in Atlanta.
1	Giulio Passerotti	Melbourne	500	To visit UEA for a fortnight, developing machine learning for ice detection.
1	Marica Minucci	QMUL	500	To present at a workshop at the Niels Bohr Institute.
1	Lorenzo Pellis	Manchester	1000	To attend four week workshop on Mathematical Epidemiology at NORDITA in Stockholm.
1	Rod Halburd	UCL	900	To give a talk at ICIAM 2023.
1	Lisa Kruesser	Bath	900	To give a talk at ICIAM 2023.
1	Peter Castellucci	Manchester	600	To give a talk at InterPore 2023 in Edinburgh.
2	Alberto Alberello	UEA	500	Visit to collaborators and presentations at conferences in New Zealand and Australia.
2	Francesca Arrigo	Strathclyde	800	Support towards the organization of a workshop on Numerical Analysis in the Era of Data Science.
2	Sammy Ayoubi	Manchester	700	Attending APS DFD 2023 (Washington DC) to present research on control-based exploration of nonlinear systems.
2	Debasish Das	Strathclyde	700	Attending APS DFD 2023 to present recently published and ongoing work.

2	Rosemary Evans	Birmingham	300	Attending Society for Endocrinology (SfE) BES Conference 2023 to present work.
2	Tao Gao	Essex	1400	Organising a two-day workshop on applied and numerical mathematics.
2	Duncan Hewitt	UCL	1200	Attending MATRIX workshop on Instabilities of Flow in Porous Media in Australia, April 2023.
2	Melissa Iacovidou	Warwick	200	Attending Epidemics9 in Bologna to present work.
2	Demetrios Papageorgiou	Imperial	900	High Reynolds number flows and industrial mathematics: A celebration of Prof. Frank Smith's contributions.
2	Lorenzo Pellis	Manchester	300	Attending the Epidemics9 conference, Bologna, 28 Nov - 1 Dec 2023.
2	Silvia Rognone	QMUL	200	Presenting work as an invited speaker at the in-person Complex Systems Society Italy 2023 (CCS) conference in Naples.
2	Sergei Sazhin	Brighton	1400	Partial support for Vortex dynamics in fluids, a workshop in memory of Felix Kaplanski (1946-2023).
2	Francesca Scarabel	Leeds	500	Attending the Lorentz Center workshop Towards rigorous results in state-dependent delay equations.
2	James Shemilt	Manchester	600	Attending APS-DFD 2023 to present work.
2	Mansi Singh	IIT Kharagpur	1000	Collaborative research visit to the University of East Anglia from Indian Institute of Technology Kharagpur.
2	Raphael Stuhlmeier	Plymouth	1000	Support for the Third Workshop on Water Waves - Mathematical Theory & Applications.

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 £36,600.

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:

A handwritten signature in purple ink that reads "J.R. King". The letters are cursive and fluid, with the first name and last name clearly distinguishable.

Full Name: John Robert King
Position: Chair of Trustees
Date: 27/12/204

Annual accounts for: Quarterly Journal of Mechanics and Applied Mathematics

Charity Number 211632

Twelve-month period ending 1 March 2024

Opening reserves	£440,461
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Income

19/09/2023	Receipt from Oxford University Press	£71,926
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Expense

15/09/2023	Legal fees relating to CIO formation	£1,200
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20/09/2023	Grant to IMA for QJMAM Fund	£50,000
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20/09/2023	IMA administration cost	£6,000
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Closing reserves at 01/03/2024	£455,187
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supported by

cash at bank at 01/03/2024	£455,187
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Section A

Independent Examiner's Report

Report to the trustees

Charity Name

Quarterly Journal of Mechanics and Applied Mathematics

On accounts for the year
ended

2023/2024

Charity no
(if any)

211632

Set out on pages

I report to the trustees on my examination of the accounts of the above charity ("the Trust") for the year ended **01 / 03 / 2024**.

Responsibilities and
basis of report

As the charity's trustees, 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 all 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 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 Charities 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 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 other 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.

Signed:

Date:

20/12/2024

Name:

WILLIAM ORRIDGE

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

ACA

Address:

RUTLAND BUILDING, LOUGHBOROUGH UNIVERSITY

EPINAL WAY, LOUGHBOROUGH

LE11 3TU

Section B

Disclosure

Only complete if the examiner needs to highlight material 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.

On page 1 of the year ended 2011/12 Set out on page 1	
As a result of the examination, the examiner has identified the following matters of concern: 1. The charity has failed to provide adequate evidence to support its claim that it is a charity for the purposes of the Charities Act 2006. 2. The charity has failed to provide adequate evidence to support its claim that it is a charity for the purposes of the Charities Act 2006. 3. The charity has failed to provide adequate evidence to support its claim that it is a charity for the purposes of the Charities Act 2006. 4. The charity has failed to provide adequate evidence to support its claim that it is a charity for the purposes of the Charities Act 2006. 5. The charity has failed to provide adequate evidence to support its claim that it is a charity for the purposes of the Charities Act 2006. 6. The charity has failed to provide adequate evidence to support its claim that it is a charity for the purposes of the Charities Act 2006. 7. The charity has failed to provide adequate evidence to support its claim that it is a charity for the purposes of the Charities Act 2006. 8. The charity has failed to provide adequate evidence to support its claim that it is a charity for the purposes of the Charities Act 2006. 9. The charity has failed to provide adequate evidence to support its claim that it is a charity for the purposes of the Charities Act 2006. 10. The charity has failed to provide adequate evidence to support its claim that it is a charity for the purposes of the Charities Act 2006.	
Signature of the examiner Date	