AGENDA

LMS Society and General Meeting 2023

The London Mathematical Society General Meeting and Hardy Lecture will be held on Friday 30 June 2023 at 3.30pm at Mary Ward House, 5-7 Tavistock Place, London WC1H 9SN.

1. Opening of the Meeting

2. Resolutions

    2.1 Minutes of the Annual General Meeting held on 18 November 2022

    2.2 Appointment of Scrutineers for 2023

    2.3 Election of the LMS Honorary Members in 2023

3. Admissions to the Society

4. Announcement of LMS Prize winners for 2023

5. First Lecture: Sir Roger Penrose FRS (Oxford)
    Title to be announced.

6. Break

7. Hardy Lecture 2023: Eva Miranda (UPC Barcelona)
    From Alan Turing to Fluid computers: Explored and unexplored paths.

<div align="right">

Simon Edwards
Executive Secretary
17 May 2023

</div>

LONDON MATHEMATICAL SOCIETY

MINUTES

Of the Annual General Meeting of the Society held on 18 November 2022 at Goodenough College, London and via video conference

1.0   WELCOME

1.1   The President, Professor Ulrike Tillmann, welcomed attendees to the meeting, both in person and those joining via Zoom video conference.

2.0   MINUTES OF THE GENERAL MEETING, 1 JULY 2022

2.1   **The minutes of the General Meeting held 1 July 2022 were agreed as an accurate record.**

3.0   REVIEW OF SOCIETY ACTIVITIES 2021-22

3.1   Vice-President Professor Iain Gordon gave a presentation on the Society's activities in 2021-22. He reminded members of the charitable aims of the Society. The Society played an important role in supporting mathematicians with grant funding. Its grants were smaller scale, higher volume and with a high application success rate. In 2021-22, the Society awarded more than £635k to support mathematics across its entire grant portfolio.

De Morgan House and the Society's Conference Business were beginning to show promising signs of recovery following the significant impact Covid restrictions had in recent financial years.

In March the Society issued a statement deploring the invasion of Ukraine by Russian government forces. A Ukraine Working Group was established to coordinate the Society's response. This included developing two grant schemes that are co-ordinated with the Isaac Newton Institute's solidarity programme. The scheme is open to research-active mathematicians at all career stages who are seeking refuge in the United Kingdom as a result of the invasion.

A Publications Strategic Retreat was held in June 2022, which brought together members of the Publications Committee, Editors of the LMS journals, representatives of Wiley and other key stakeholders. The Society entered a second 5-year contract term with Wiley, to publish the five LMS-owned journals and *Mathematika*. The Society's income from its publications is predicted to be reduced in coming years due to the changing nature of the publishing landscape and the continuing move towards Open Access content. More than a quarter of all papers in the Society's hybrid journals were published Open Access in 2021. Survey articles in the Bulletin are published Open Access by default, using a legacy provided by Frank Gerrish.

During the year 2,400 papers were submitted to the LMS, with over 740 papers and 249,000 pages published by an international authorship in areas across mathematics. Around 27% of this content was published Open Access. 12 books had been published in the Society's *Lecture Notes* and *Student Texts* series. The five LMS-owned journals and *Mathematika* are no longer printed and have adopted a new layout and style.

In terms of connecting with the mathematical community, over the year six issues of the LMS Newsletter had benefited from 23 authors collectively contributing 20 the features section, 18 people contributing to reviews, and 5 PhD students contributing 'microtheses'. Monthly e-updates were sent to 65 LMS Representatives and all Members highlighting upcoming news, events and grant deadlines.

The Society continues to follow its Communications Strategy and Operational Plan, with Communications now a standing item on key Committee agendas. The Society made a number of public statements on matters of concern. These included methods of assessment in the mathematical sciences, diversity in STEM and meeting EDI objectives and the Russian invasion of Ukraine. The Society continues to work with the 'Protect Pure Maths' campaign with aims that include increasing public understanding of the value of pure mathematics, calling for greater investment in teaching and research of mathematics at every stage of education and protecting pure maths departments from further significant cuts and preventing any more departments from closing.

During 2021-22 the Society continued to promote its Equality Diversity and Inclusion activities including a further development of the Levelling Up: Mathematics programme for students of Black heritage. The programme runs thanks to a generous donation from Dr Tony Hill and Simon Godwin. For the third year the LMS helped to organise the Black Heroes of Mathematics event in collaboration with the British Society for the History of Mathematics, the International Centre for Mathematical Sciences, the Institute of Mathematics and its Applications, the Isaac Newton Institute and the Mathematical Association. Thanks to the continued generous donation from the Lieber Foundation the Society was able to award four Emmy Noether Fellowships to assist researchers with caring responsibilities.

In 2021-22 the Society received a number of notable donations. These included continued donations from Dr Tony Hill to fund the co-ordination and administration of the Levelling Up scheme. Dr Hill has now been joined by co-funder Simon Godwin in supporting this scheme. The De Morgan Donation Scheme continues to thrive, with the number of members or supporters who have made a De Morgan Donation of £1,865 or more growing to 15. Funding was also gratefully received from XTX Markets for the Protect Pure Maths campaign and the LMS Solidarity Grants to support academics fleeing the war in Ukraine.

4.0   REPORT OF THE TREASURER

4.1   The Treasurer, Professor Simon Salamon, gave a presentation on the Society's finances and related matters in 2021-22. He provided an overview of the Society's total income, expenditure and assets and the response to the aftermath of the Covid pandemic.

The Society saw a return of grant applications following the reduction in grant applications during the pandemic. As mentioned previously, these totalled £635k which included £275k on the Research Grant Schemes, £254k on Early Career Researchers Schemes and £48k on Education and Outreach.

Around 3,100 academics and practitioners of mathematics, including undergraduates, PhD students and postdocs, were members of the Society. 20% of members are based outside the UK, and there are LMS members in over 60 different countries. There are 65 LMS representatives in mathematical institutions that help to provide feedback and opinions on LMS activities.

The Society's main assets were held by investment managers Cazenove. The Society invests in Cazenove Capital's Charity Multi-Asset Fund (CMAF) and the Responsible Multi-Asset Fund (RMAF), designed for charities seeking to maintain real value of the capital while generating a sustainable income level. Cazenove's objective was to deliver a net return of at least CPI+4%. The market value of the Society's combined funds was £13.8m on 31 July 2022, with the LMS drawing down 3.5% of the market value smoothed over 2 years.

For the investment portfolio in the future, Council decided in October 2022 to move a further 30% from Cazenove's CMAF to its Responsible Multi-Asset Fund (RMAF) making 50% holding in each of the funds. The RMAF has a higher Environmental, Social and Governance (ESG) rating, with no investment in fossil fuels, alcohol, tobacco, gambling etc, but has the same long-term target return objective.

The Society's property portfolio had two strands: firstly De Morgan House, which offers office space for staff and commercial lettings (there are currently some vacancies). For conference room business, bookings were returning quite strongly. Secondly, the Society owned residential flats for investment and letting. Income from these flats during 2021-22 was about £142k (a yield of around 4.1%).

The Treasurer concluded by reporting that LMS finances are in a strong position and reserves are available to fund future activities, as well as novel ways to promote the charitable duties. However, the Society needs to protect its assets, and ideally seek new income streams. High inflation will inevitably cause a reduction in our support for the community in real terms. Some cost savings will persist, and demand for LMS services and support may remain subdued in 2022-23.

5.0   RESOLUTIONS

5.1   The President introduced the part of the meeting in which Society members would be asked to vote on two items of business.

i)   *Adoption of the Trustees' Report, including the year-end accounts for 2021-22*

Copies of the Trustees' Annual Report and Accounts 2021-22 had been circulated in advance to all members. The President recommended on behalf of Council the adoption of the Annual Report and Accounts and asked members if they were in agreement.

The resolution required a simple majority to be passed and was passed.

ii)   *Appointment of Auditors*

Council proposed that Moore Kingston Smith be appointed as the Society's Auditors for the current year, 2022-23. The President recommended on behalf of Council the approval of the reappointment of Moore Kingston Smith and asked members if they were in agreement.

The resolution required a simple majority to be passed and was passed.

6.0   PRESENTATION OF CERTIFICATES TO LMS PRIZE WINNERS FOR 2022

6.1   The President, on Council's behalf, presented certificates to the following 2022 prize-winners:

De Morgan Medal:	Professor Sir John Ball
Senior Berwick Prize:	Professor John Greenlees
Fröhlich Prize:	Professor Richard Thomas
Whitehead Prize:	Professor Euan Spence

6.2   The winner of the Shepherd Prize, Professor Andrew Lobb, the winner of the Senior Berwick Prize, Professor Brooke Shipley, the winner of the Anne Bennett Prize, Dr Asma Hassannezhad, and the winners of Whitehead Prizes, Professor Jessica Fintzen, Professor Ian Griffiths, Professor Dawid Kielak, Professor Professor Chunyi Li and Professor Tadahiro Oh, were unable to collect their certificates at the meeting.

6.3   The President announced that the Society and the Institute of Mathematics and its Applications had jointly awarded the Christopher Zeeman Medal to Professor Simon Singh. The Christopher Zeeman Medal would be presented to Simon Singh at a joint ceremony in 2023.

7.0   NOMINATIONS TO MEMBERSHIP

7.1   The members **agreed to the election of 234 new members** of the Society.

8.0   ADMISSIONS TO THE SOCIETY

8.1   At each Society meeting, members of the London Mathematical Society are invited to sign the Members' Book, if they had not already done so. The Members' Book dates from 1865 when the Society was founded and contains signatures of members throughout the years, including G. H. Hardy, Poincarė, Felix Klein, James Clerk Maxwell, Mary Cartwright and R. A. Fisher. Any members present who had not yet signed the book were invited to come forward to do so.

9.0   PROSPECTIVE MEMBERS

9.1   The President invited any non-members in attendance who wished to join the Society to speak to the Membership and Grants Manager or to visit the Society's website: www.lms.ac.uk

10.0   DONATIONS TO THE SOCIETY

10.1   The President reported that in the past the Society had benefitted from donations from many individuals, notably Lord Rayleigh, G. H. Hardy and S. Verblunsky. Members and non-members can now donate to the Society via the 'donate' button on the website. In particular, the De Morgan Donations were a way for anyone able to make a donation of £1,865 to the Society to do so and become one of the De Morgan Friends. The President invited attendees to see the Society's website for details.

11.0   JOSEF MÁLEK (CHARLES UNIVERSITY, PRAGUE)

11.1   Professor Josef Málek gave a lecture on *"Beyond the incompressible Navier-Stokes equations: mathematical foundations of models of non-Newtonian fluids"*.

12.0   ELECTION RESULTS

12.1   Scrutineer Professor Chris Lance announced the results of the Council and Nominating Committee elections for 2022 as follows:

COUNCIL
President: Professor Ulrike Tillmann
Vice-Presidents: Professor Iain Gordon, Professor Catherine Hobbs
Treasurer: Professor Simon Salamon
General Secretary: Professor Robb McDonald
Publications Secretary: Professor Niall MacKay
Programme Secretary: Professor Chris Parker
Education Secretary: Dr Kevin Houston
Members-at-Large of Council: Professor Peter Ashwin, Professor Minhyong Kim, Professor Jason Lotay, Professor Anne Taormina, Professor Amanda Turner and Professor Sarah Whitehouse

NOMINATING COMMITTEE
Professor Laura Ciobanu and Professor Helen Wilson

12.2   It was noted that the continuing Members-at-Large elected in 2021 were: Professor Sara Lombardo (Women and Diversity), Professor Elaine Crooks, Professor Andrew Dancer, Dr Jessica Enright, Professor Frank Neumann and Dr Rachel Newton.

12.3   It was noted that the continuing members of Nominating Committee were: Professor Tara Brendle (Chair), Professor Chris Budd, Dr Nira Chamberlain, Professor Philip Maini and Professor Gwyneth Stallard. One member of Council would also be nominated to the Nominating Committee.

13.   NAYLOR LECTURE 2022 – ENDRE SULI (University of Oxford)

13.1   Professor Endre Suli gave a lecture on *Hilbert's 19th problem and discrete De Giorgi—Nash—Moser theory: analysis and applications.*

14.   CLOSE OF MEETING

14.1   The President, on behalf of the meeting, thanked the following people who had served the Society over the past few years and who were now retiring from their respective positions. Volunteers were critical to the Society's effectiveness and the LMS was very grateful indeed for all the time and hard work they had donated so generously to the Society:

Anne-Christine Davis – Council Member-at-Large (2020-2022)

Brita Nucinkis – Council Member-at-Large (2017 – 2022)

Mark McCartney – Librarian (2018-2022)

Chris Lance – Election Scrutineer (2012-2022)

Caroline Wallace – Executive Secretary (2020-2022)

14.2   The President asked the meeting to welcome Jens Marklof as the Society's President-Elect.

14.3   The President closed the meeting and thanked everyone who had been involved with organising the Annual General Meeting and the audience for attending. The next Society meeting would take place on 17 January 2023 at Southampton University as part of the South West & South Wales Regional Meeting on *Geometric Group Theory:* speakers would include Peter Kropholler (Southampton), Karen Vogtmann (Warwick) and Ian Leary (Southampton).