

May 2023

Election of Council Members

Three vacancies for elected members of Council will arise following the AGM on 28 June 2023.

More than 3 nominations for election to Council have been received and therefore a ballot is being conducted.

How to Vote

The candidates for election have provided information about themselves. These details are attached to this letter.

All corporate members of the Institute (Honorary Fellows, Fellows, Members, Associate Members, Affiliate Members and Student Members) are entitled to vote.

Corporate members may exercise their single votes for their preferred candidates by expressing their first preferences and if they desire their subsequent orders of preference for any of the other candidates.

Ballot papers **must be signed** and returned **preferably by email** to voting@ima.org.uk with 'Ballot Paper' in the subject line of the email.

If you are returning the form by post, please address the envelope as follows: Emma-Jane Wheal, Governance Manager, BALLOT PAPER, Catherine Richards House, 16 Nelson Street, Southend-on-Sea, Essex, SS1 1EF

Ballot papers must be received by the institute by 5 p.m. on 22 June 2023 to be valid.

For full details on how to submit votes, please see the ballot paper.



Rosalind Azouzi
Executive Director

INSTITUTE OF MATHEMATICS AND ITS APPLICATIONS

INFORMATION FROM CANDIDATES FOR ELECTION TO COUNCIL (2023)

(Candidates are listed in alphabetical order)

Claire Baldwin CMathTeach MIMA

I am delighted to stand for nomination to the IMA Council.

I have a first-class degree in Mathematics, Statistics & Operational Research and qualified as a teacher in 1998. I have worked in a range of educational settings including comprehensive and grammar schools and FE and Sixth Form Colleges, including senior leadership roles, and led a PGCE Secondary Maths course.

I now work at MEI. In my role as Director for Student Engagement I am driven by the idea that every student, no matter their background, gender or ethnicity, should 'see' themselves as a mathematician and be encouraged and supported to do so. They should have opportunities to engage with employers and universities to understand the ways in which mathematics will impact on their future studies, work and life, to help them make informed decisions.

This background drives me to apply to the IMA Council. My work and personal philosophy link closely with IMA's drive to 'promote and enhance mathematical culture in the United Kingdom, and elsewhere'. I have been a member of the Mathematics Today editorial board for seven years and aspire, if elected, to making a wider contribution to the amazing work carried out by the IMA

Emma Bowley MIMA

I am a mathematician at the Defence Science and Technology Laboratory (Dstl). I obtained a BSc and MSc in Mathematics from the Open University. Within the IMA I represent Dstl on the Professional Affairs Committee (PAC) and I am an assessor for the Data Science Professional Certification. I am on the organising committee for the Maths in Defence and Security Conference in 2023. I achieved Chartered Mathematician status in 2023.

I am passionate about encouraging collaboration between mathematicians. When I joined Dstl in 2019 I set up a maths community in Dstl which has grown to have 200 members on the mailing list. Last year I extended this and set up a collaborative group across public sector research. I have undertaken a large amount of academic engagement, such as presenting problems at the European Study Group with Industry and leading a workshop with the Newton Gateway in the Isaac Newton Institute.

I would like to be elected to the council to share my experience as someone who gained their qualifications part time, works applying maths to real problems and also works with mathematicians across government.

Mr Nicholas Brusby CMath MIMA

Nicholas received both his BSc (Hons) in Mathematics and MSc in Applied Mathematics from the University of Manchester, and is currently employed by Rolls-Royce Plc as a Mechanical Integrity Engineer within the company's Defence Aerospace Sector. He has previously been a member of the IMA communications committee and is a past chair of the

Southwest and Wales branch. He currently serves on the IMA council as a co-opted member and is also the immediate past chair of the Early Career Mathematicians committee.

Nicholas is passionate about improving connections, communication, and engagement between the IMA and industry. In particular, he believes it is important to increase employers' awareness of the value mathematicians bring to industry and to help mathematicians working outside of academia to feel a sense of identity and community. Under his leadership as chair, the Early Career Mathematicians committee arranged a number of new dedicated events for mathematicians in industry and mathematics students at university looking for a role in industry. Being elected to IMA council would allow him to continue to directly influence decisions around how the IMA engages with industry and play an active role in improving these connections.

Professor Tony Croft CMath FIMA

I am Emeritus Professor of Mathematics Education at Loughborough University. I joined Loughborough in 1996, establishing its pioneering mathematics learning support centre and developing a model which has been adopted widely throughout the UK and beyond to support students who would benefit from additional support in their learning of mathematics. In 2002 I became founding Director of Loughborough's Mathematics Education Centre which today is one of the leading centres of research into and practice of teaching and learning mathematics. I believe passionately in making mathematics more accessible through better teaching, relevant curricula, and provision of quality resources; I have published widely on these matters.

I am standing for Council because I have a wealth of experience gained in education sectors which can be harnessed in furtherance of the Institute's mission. In England, as in other parts of the world, there is increasing concern about the quantitative skills of school leavers, undergraduates, and the general public. There is a widely documented need to improve capabilities at all levels and in most disciplines. I believe I am well-placed to assist in promoting the work of the IMA across the board but particularly in outreach, public engagement and education.

Dr Rosalyn Porter FIMA

I joined the IMA as a member in 2015 becoming a Fellow in 2018. I have supported the IMA in my role as the Academic Representative for Sheffield Hallam University since 2018. In this role I have encouraged student interaction with the IMA including membership options, events, and the Maths Teacher Training Scholarship.

I have been an educator in some form all my adult life and believe education is about developing the individual across a broad range of interlinking skills rather than attaining disparate pieces of knowledge. My background is in Mathematical Ecology, and I use this as a basis to encourage students to explore the vast array of situations in which Mathematics can be used to describe and understand the world around us. My teaching style centres very much on student activity and learning through doing. I am keen to develop and share my practice and would like to support the IMA develop strategic thinking around educational matters. I have experience as a school governor.

Mathematics should be available to all. As a part-time working mother, who has also had caring responsibilities, I would support further development of strategy and policy around Equality, Diversity and Inclusion.

Dr Anastasia Sofroniou SFHEA FIMA MSc PGCert BSc

Dr Anastasia Sofroniou is a member of the Advisory Board of the Academy for the Mathematical Sciences, affiliated with the Education Workstream. She is the Chair of WInSTEM, committee stemming from the University of West London, driven to provide inspiration and motivation to women and young girls, encouraging them to pursue studies or careers in STEM areas. With her proven diligence and dedication, she may deliver and contribute positively to the future well-being of the IMA.

Dr Anastasia Sofroniou received her BSc Mathematics with Economics from University College London (2001), an MSc in Mathematics from Kings College London (2002), a Certificate course in Data Analysis for Management from London School of Economics and Political Science (2022), and her PhD in Applied Mathematics from University College London (2006). During her research studies, she was awarded the Andrew Rosen Prize for research excellence in Applied Mathematics, and twice received the Lighthill Scholarship Award in Mathematics.

She is currently an Associate Professor of Mathematics and Course Director for the BSc and MSc Mathematics and Statistics degrees at University of West London. Her research interests lie within the field of Nonlinear Dynamics and Chaos; more recently she has been active in Educational Mathematics.