

Academy for the Mathematical Sciences

HoDoMS
1st May 2025

Alison Etheridge (President)

2018: A complex, fragmented landscape





Timeline





Vision

We will

- Be an authoritative and persuasive voice for the whole of the mathematical sciences
- Work with learned societies, other organisations, and people in the community who develop, teach, research, communicate, and use mathematics and the mathematical sciences

Focus will include

- Teaching and education
- Academic research pushing the frontiers of what is known
- Implementation of mathematics in practice – in industry, commerce, government and elsewhere

We will support

- Bringing together the community
- Creating a fertile environment for groundbreaking fundamental and innovative MS research
- Strengthening the people pipeline to ensure breadth and depth of talent
- Increasing societal engagement and recognition of the power, value and beauty of mathematics



Objectives

*Better maths
education for all*

*More mathematical
scientists at all levels*

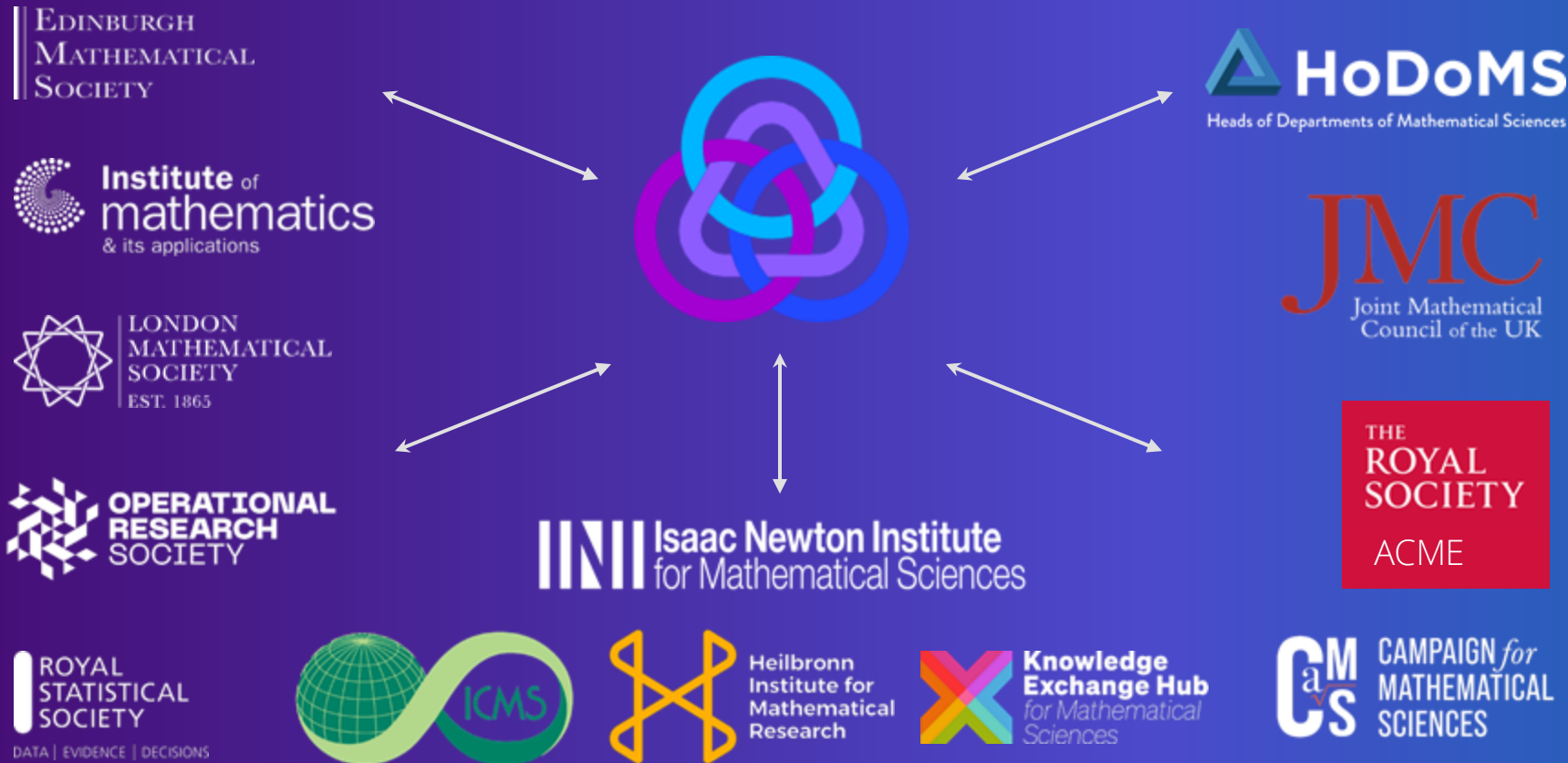
*Improved diversity in
the mathematical
sciences workforce*

Better public policy

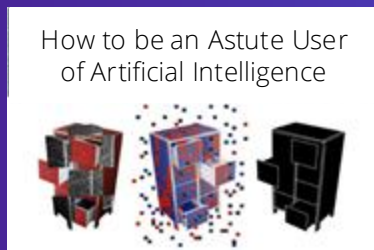
*Innovation,
economic growth,
and prosperity*

Public advocacy

The landscape today



A sample of outputs





Some ongoing activities



Refined economic contribution analysis (including by region)

Manifestos for maths for Scotland and Wales

Understanding the transition to University Maths

A repository of funding opportunities



Fellowship

**Watch this space for a call
for applications!**

"Fellowship is not just an honour, it comes with an obligation to play a leading role in supporting the work of the Academy including shoring up the people pipeline in the mathematical sciences, excellence in cutting edge research, effective knowledge exchange, advocacy and communication, maths for policy, policy for maths, diversity of the mathematical sciences workforce, or..."

- The appointment of our first cohort of Fellows is an exciting milestone for the Academy.
- We will seek to appoint a balanced cohort of individuals who share our ambition to transform the landscape in the Mathematical Sciences in the UK.
- We will appoint Fellows from across the breadth of the community.
- Inevitably there will be outstanding individuals who are not selected, but don't let that deter you from applying to be a Fellow. Remember also that you don't have to be a Fellow to work with the Academy.
- We expect the first cohort of Fellows to be appointed by the end of the year.

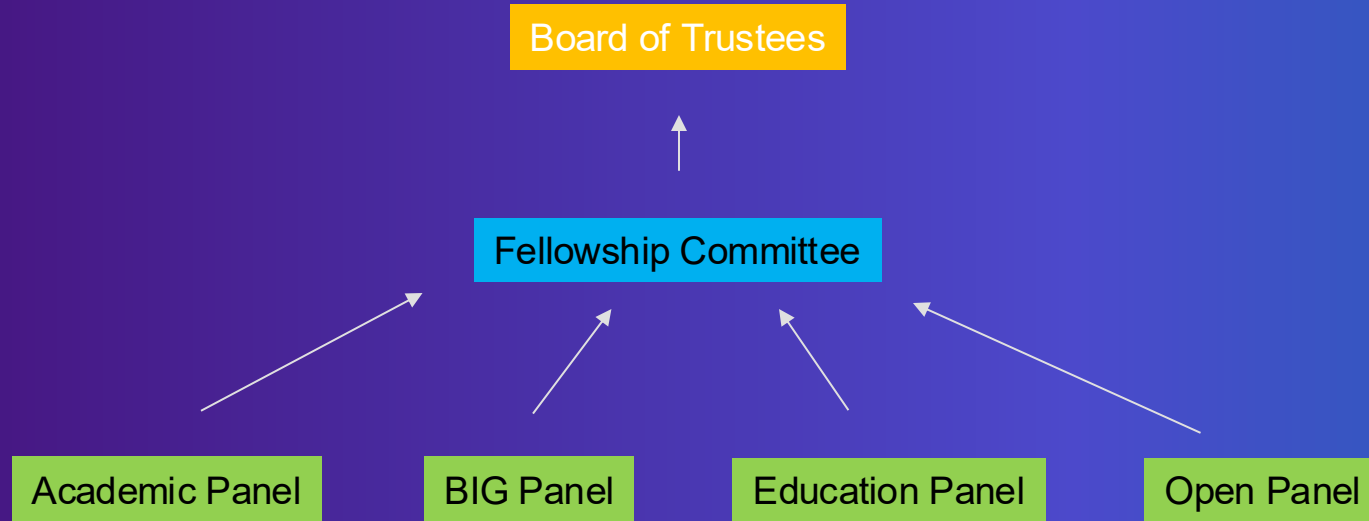


Selecting the first cohort of Fellows

The Academy for the Mathematical Sciences represents the whole mathematical sciences community, spanning academia, education, and business, industry and government (BIG), and across the four nations. To ensure that the Fellowship is representative of this community, and that it brings the range of skills that we require to carry out the work of the Academy, the process of election should be viewed as selecting a *cohort* of excellent individuals

Nominations will initially be assessed (against agreed criteria) by four Panels, one for each of Academia, Education, BIG, and Open (to capture those nominees not easily categorised). Each Panel meeting will be attended by the Chair of at least one other Panel. The Panels will place nominations into bands rather than producing a firm ranking. These lists, along with a commentary on each candidate, will be passed to the Fellowship Committee.

Selecting Fellows:



Selecting the selectors is about to start, to be followed by a call for applications for Fellowship: please spread the word!



Academy for the
Mathematical Sciences