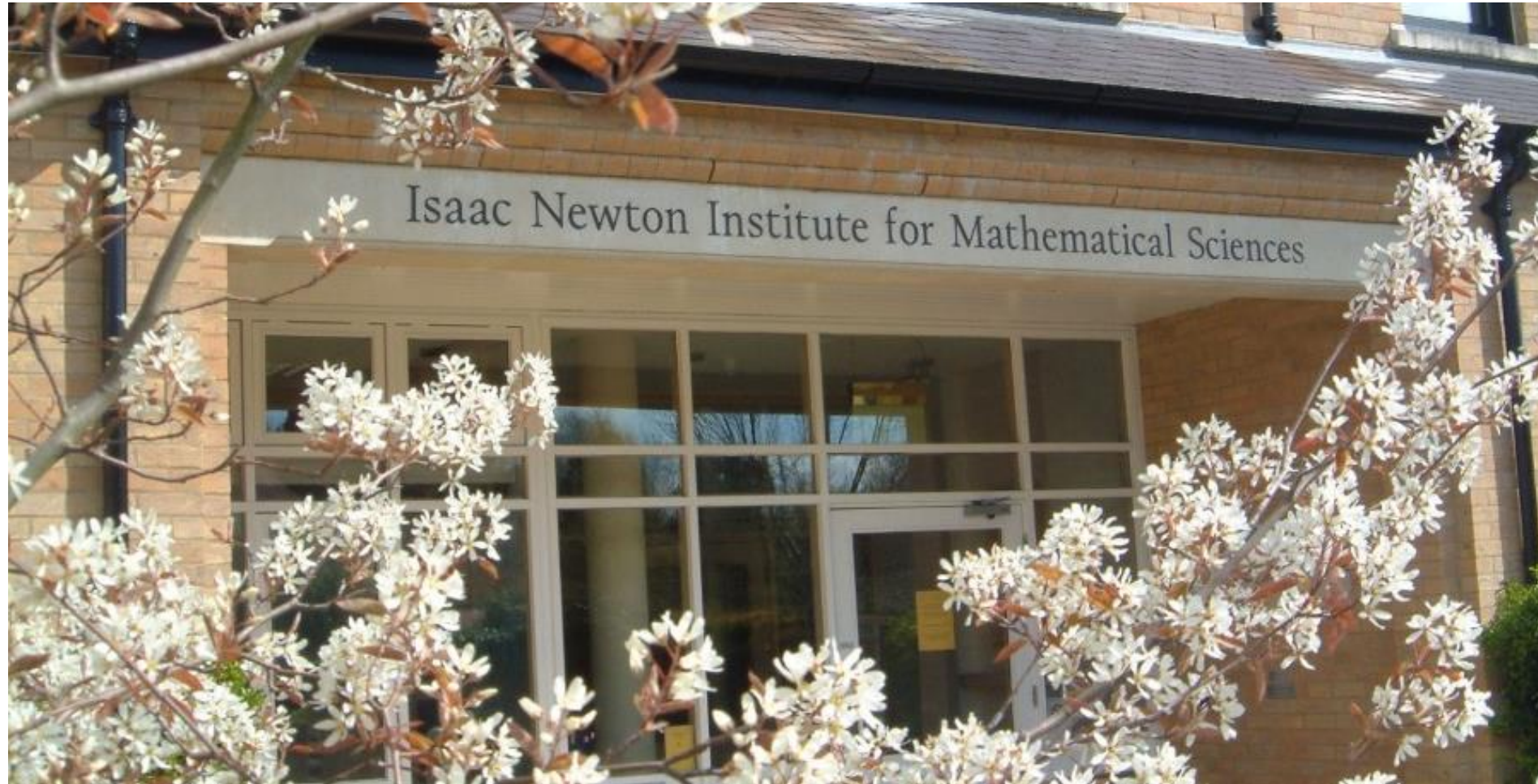


Opportunities and Updates

2024



Inception and remit

- Opened 1992
- Part of the UK's mathematics research infrastructure
- Themed programmes of 1, 4 or 6 months duration
- Programmes span the mathematical sciences broadly interpreted
- 29 programme workshops, 3 follow-on workshops plus many one or two day events in 2023
- More than 3000 visitors in 2023
- **Newton Gateway** to Mathematics, INI's impact initiative



The Newton Gateway

Formerly the Turing Gateway to Mathematics (TGM)

Links the mathematical sciences community with users in other disciplines, government, business, industry, and the third sector.



- Founded in 2013.
- Facilitates knowledge exchange.
- Hosts ~20 events each year.
- Events typically last 1 or 2 days.
- Events may be stand-alone or **Open for Business (OfB)** events connected with an INI programme.
- Innovate UK A4I programme **new**
- Run event for large research consortia / programmes **new**

Bespoke building

- Opened in July 1992
- Designed to nurture collaborative research
- Two seminar rooms of capacity 100 and 60
- Office space for circa 60 long term participants
- Ambition: Expand to run 3 parallel programmes



2024 Programmes

6-month programmes

- New equivariant methods in algebraic and differential geometry
- Anti-diffusive dynamics: from sub-cellular to astrophysical scales
- Stochastic systems for anomalous diffusion

1-month programme

- Discretisation and discovery in high dimensional spaces
- Modelling and inference for pandemic preparedness
- Twister theory
- Quantum information, quantum groups and operator algebras
- Big Specification

INI@Skye, INI@UEA, INI@Northumbria, INI@ATI (3x)

How to participate

- Apply to join a programme
- Apply to for workshops
- Live streaming
- The archive contains over 7000 seminars
- **Talks elsewhere**
- Propose a programme or **satellite programme**
- Join us for an **INI Retreat** !



$$a + (b + c) = (a + b) + c$$

Barriers to participation

INI has developed schemes for removing barriers to participation:

- **Provision of Care Scheme** for caring responsibilities or needs
- **Developing Country Support Scheme**



Ramanujan Fellowships



Assistance with sourcing:

- schooling and sourcing/funding early years childcare;
- housing to accommodate family or carer

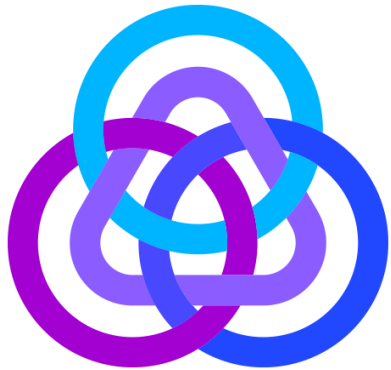
Launch of new EDI plan in summer 2023



INI as National Institute

INI-LMS Solidarity Programme (donor funded)

INI Networks (34 networks involving est. 1000 UK mathematicians)



Academy for the
Mathematical
Sciences



KE Hub

Opportunities

Talks Elsewhere

invite an international visitor to give a seminar on INI expense

<https://www.newton.ac.uk/outreach/ongoing-initiatives/talks-elsewhere/>

Satellite Programme

put a spot light on your department with a four week INI Programme

next submission deadline 31 July

<https://www.newton.ac.uk/events/submit-a-proposal/>

INI Retreat

spend a week at INI

Please tell your correspondents!