



International Centre for Mathematical Sciences Edinburgh 2020

Workshop programme 2020

13-17 April

Arithmetic, algebra, and algorithms: celebrating the mathematics of Hendrik Lenstra

Scientific organisers: Alex Bartel, University of Glasgow; Alice Silverberg, University of California at Irvine; and John Voight, Dartmouth College

11-15 May

New directions in classical density functional theory

Scientific organisers: Andrew Archer, Loughborough University; Benjamin Goddard, University of Edinburgh; and Roland Roth, Eberhard Karls Universität Tübingen

8-12 June

Harmonic analysis, stochastics and PDEs

Scientific organisers: Zdzislaw Brzezniak, University of York; Istvan Gyongy, University of Edinburgh; Tadahiro Oh, University of Edinburgh; and Oana Pocovnicu, Heriot-Watt University

22-26 June

Geometric and asymptotic group theory with applications

Scientific committee: Martin Bridson, University of Oxford; Jim Howie, Heriot-Watt University; Montsearrat Casals-Ruiz, UPV Bilbao; Sarah Rees, University of Newcastle; and Pascal Weil LaBRI Bordeaux

29 June – 3 July

Manifolds and K-theory: the legacy of Andrew Ranicki

Scientific organisers: Clark Barwick, University of Edinburgh; Diarmuid Crowley, University of Melbourne; Oscar Randal-Williams, University of Cambridge; and Ulrike Tillmann, University of Oxford

6-10 July

Mathematical criminology and crime science

Scientific organisers: Ian Brunton-Smith; David Lloyd, both University of Surrey; Alison Ramage, University of Strathclyde; Martin Short, Georgia Institute of Technology; and Stephen Wilson, University of Strathclyde

13-17 July

Convex integration and nonlinear partial differential equations

Scientific committee: Gui-Qiang Chen, University of Oxford; Marshall Slemrod, University of Wisconsin; and Laszlo Szekelyhidi, University of Leipzig

20-24 July

Young researchers in combinatorics

Scientific organisers: Shagnik Das, FU Berlin; Carla Groenland, University of Oxford; Jonathan Noel and Yanitsa Pehova, both University of Warwick

31 August – 4 September

The algebraic geometry of matroids

Scientific organisers: Alex Fink, Queen Mary University London; Diane Maclagan, University of Warwick and Felipe Rincon; Queen Mary University London

For information about participating in these workshops please email info@icms.org.uk

There will be other events announced throughout 2020 please check our website for details.

Other activities

19-22 May

2020 Modelling camp for PhD students

We run an exciting programme of public lectures throughout the year please visit our website for details.

Contact details:

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Info@icms.org.uk 0131 650 9831

Twitter: [@ICMS_Edinburgh](https://twitter.com/ICMS_Edinburgh) www.icms.org.uk

What our participants say about ICMS

“I’ve been to many conference centres around the world, and none of them comes close to the personal touch that the ICMS provides; I feel it makes ICMS absolutely unique, and I feel absolutely certain that the scientific impact of bringing this group together will be immense going forward.”

“One of the best features of ICMS meetings is the staff. Everything seems to happen by magic: for example, bookings made, food appears, receipts sorted. This is a real testament to the staff at ICMS and I am very happy to thank them for all the effort.”

“I think it is wonderful that so many early-career researchers and PhD students are given the opportunity to share their research.”

“World class facilities, could not have wished for anything better.”

“Outstanding, really very good set of speakers, interesting discussions, great group of people and a great venue. It was time well spent for me!”

“I travelled with my family as I have a young baby that I cannot leave behind. The organisers were exceedingly accommodating to my needs, everyone did all they could to facilitate my attendance. I believe having funding specifically to support childcare related costs allowed them to help me as much as they wished, and made my life much easier. Without the support, I would not have been able to attend”

Funding opportunities

Would you like to run an event at ICMS?

The International Centre for Mathematical Sciences in Edinburgh is funded by EPSRC to support research in all areas of the mathematical sciences and its connections to other disciplines and industry.

WORKSHOPS:

- o Research: usually 5 days for 30-80 people to engage in a focussed workshop across all areas of the mathematical sciences and their applications.
- o Early Career: ICMS workshops with an organizing committee of ECRs, enabling ECRs to take leadership roles in their area.
- o Strategic Workshops: for up to 5 days for 20-50 people to help the mathematical sciences community to engage in cross disciplinary funding opportunities and policy driven initiatives where timing is important.
- o Academia-Industry Meetings: these meetings are focussed on industrial applications.

For smaller groups:

- Research in Groups (RiGs): typically 2-6 people for two to three weeks. RiGs brings together an international group to work on a particular problem leading to new research or grant proposals.
- Follow-on Grants: designed to enable groups of researchers to re-evaluate work arising from workshops held at ICMS or elsewhere.

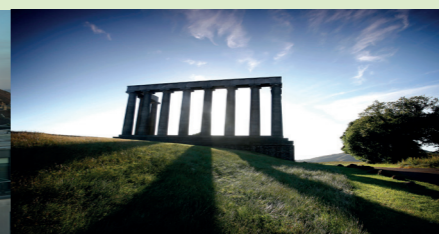
For all the schemes: ICMS funding is available to pay contributions for travel, accommodation and catering for participants. ICMS provide full administrative support for your event.

For further details please see: www.icms.org.uk

ICMS also organises stand-alone Knowledge Transfer and Public Engagement activities. If you have your own funding ICMS can host your event for you in our fantastic facilities in central Edinburgh.

ICMS has two seminar rooms fully equipped with AV (including recording) and blackboards. The rooms have a capacity of 80 and 40. In addition ICMS boasts a large break out space for catering and working with a capacity of 100. This space has panoramic views of Edinburgh and the surrounding area. There are also other smaller rooms available to ICMS participants.

The ICMS is committed to removing barriers to participation in its events. We are pleased to be able to support participants to come to Edinburgh and not be excluded from events because of their caring responsibilities. The ICMS has limited money available to assist participants who have child, or other, care needs.



Engineering and
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