

Mathematics for Humanity



Submission guidelines

Organisers should contact ICMS (either the **Centre Manager** or the **Director**) to discuss ideas and dates before submitting their proposal for any of the Mathematics for Humanity initiatives. Applications for funding are now being accepted for activities to take place in 2024-25.

Proposers should read through these Guidelines, especially the pages on **Financial Support Available**, **Assessment of Proposals** and on **Selection Criteria**.

At least one of the applicants on any proposal should be **eligible for funding from the UKRI**.

Submission deadlines

The Programme Committee will consider workshop proposals twice per year: in February and June. Therefore, normally:

- Proposals should be received by **November 15th** in order to be considered by **February**
- Proposals should be received by **April 15th** in order to be considered in **June**

The Committee cannot consider a proposal with an insufficient number of referees' reports.

Applicants should bear in mind the time needed to plan the activity if their proposal is accepted. Workshops typically take 12 months to arrange. The other activities can be arranged within a shorter timescale.

How to submit your proposal

Firstly, choose the correct form depending on the scheme.

1. Research-in-groups **application form**
2. Research course or seminar **application form**
3. Research workshops **application form**
4. Research school **application form**

For each application, please answer every question on the form. If you wish to apply for multiple activities, please submit a form for each separately. However, a single unified detailed proposal may be attached to each form.

If you have any difficulty with the forms please email **Jane Walker, Centre Manager**, ICMS.

Research-in-groups

The programme will enable researchers to spend time in intensive research collaboration at ICMS, away from teaching and administration.

The primary aim is to support top-quality (international) research in the mathematical sciences and therefore ICMS encourages adventurous proposals involving novel groupings of researchers, especially in interdisciplinary areas involving international collaborators. We welcome applications from mid-career researchers, and particularly those who have had interruptions in their research careers, for example through a heavy administrative burden or caring responsibilities.

In addition to the brief description, you should provide a proposal in support of for your Research-in-Groups application. You should also send a summary c.v. for each participant, publication details etc. The proposal should be no more than four A4 pages in length.

Successful applicants will be offered financial support and office facilities for their collaboration. It will be expected that the period being supported should be committed 100% by the participants to the proposed research.

Researchers should note that ICMS can usually arrange to pay for the costs of self-catering accommodation and working space for participants and provide a per diem towards daily expenses. ICMS can also contribute towards travel expenses to Edinburgh but cannot offer reimbursement to universities for teaching or lecturing expenses.

Research course or seminar

A group of researchers can propose a course or a seminar on topics relevant to one of the three themes. These should be planned as hybrid events with regular meetings in Edinburgh that can also be accessed online. Proposals should come with a detailed plan for attracting interest and for the dissemination of ideas.

In addition to a short description, you should provide a proposal in support of for your research course or seminar application. You should also send a summary c.v. for each participant, publication details etc. The proposal should be no more than four A4 pages in length.

The proposal should include the following information:

- Title and scientific organisers
- Objectives of the course or seminar series
- Current activity in the area
- The expected outcome or impact of the course/seminar
- Who is the audience: provide information on how you will ensure that the series has diverse and well-balanced participation from under-represented groups.
- Demonstrate how you will reach a substantial number and range of researchers and students
- Dissemination of ideas from the course/seminar
- Timing of the course/seminar – frequency and length
- Plans for collaboration with networks or institutions in LMICs that can help to organise the hybrid events

Research Workshops

Title and Names of the Scientific Organisers

- State the names, affiliation and email addresses of the key Organisers. NB - at least one of the key Organisers should, by reason of his/her position, be eligible to hold an EPSRC grant.

The objectives, novelty and timeliness of the proposed meeting

- This part of the proposal - the scientific justification - is the key. Make sure that the objective of the meeting is clear and make a strong case for holding it at this time.

Background to current national and international activity in the area

- Show that the topic is in the forefront of current development. If other meetings have been held on what look like similar topics, show how this meeting differs.

The expected outcome and impact of the meeting

- Show how the workshop will contribute to the development of the mathematical sciences, e.g. by establishing new applications or by creating links between established areas of mathematics. Describe the potential consequences of a successful meeting, e.g. new collaborations or research papers. Make sure that that you state how the UK community will benefit.

Participants

- List key participants and their affiliations. Show their subject area if this is an interdisciplinary meeting. Indicate those who have provisionally accepted the invitation to attend. Who is the audience: provide information on how you will ensure that the series has diverse and well-balanced participation from under-represented groups. How will other participants be selected?

Plans for participation of scientists from the UK, younger delegates, and women

- The ICMS policy is to maximise the impact of its workshops in the UK and beyond by ensuring that younger researchers and those active in the UK are invited. ICMS also asks that Organisers take great care to include a suitable balance of men and women who are active in the area. It is ICMS policy to expect that the organisers of ICMS workshops will: invite both women and men as speakers, or explain why this is not appropriate or possible. Please identify your female participants clearly on your proposal by adding (F) after their name. Please note that ICMS is able to provide financial support to enable participation by people with care responsibilities for children or other family members. The London Mathematical Society has produced some excellent guidelines regarding diversity at workshops.

Dissemination

- Organisers are asked to plan for the dissemination of the results of a workshop. They will be required to prepare a short but comprehensive account of workshop activity for publication on the web, together with a final list of participants and schedule, shortly after a programme ends. If there are plans to publish proceedings, then that should be raised with ICMS at an early stage.

Outreach and public engagement

- Organisers should consider the possibility of reaching a wider audience for the workshop activity. ICMS can advise.

Proposed start/end dates

- Workshops are normally five days in duration but other lengths will be considered. It is helpful to indicate a few alternative dates.

Possible structure

- To fit the objectives. For example, a workshop could have expository talks, led discussion sessions, problem sessions etc. as well as the more standard four or five one-hour talks plus 15-mins discussion.

An estimate of the travel and subsistence costs required and potential other sources of funding.

- See the page on Financial Support Available. How many people are likely to need their subsistence covered and how many will need a contribution to travel from ICMS? What are the other sources of funding and what are their constraints?

Bibliography

- If required, an appropriate short bibliography should be included.

Research school

In addition to a short description please provide a proposal in support of for your MFH Research School application. The proposal should be no more than six A4 pages in length.

Research schools can be for up to two weeks in duration

Your proposal should show how your school will be interactive and designed to foster networking between students and lecturers.

Please detail the objectives of the research school

Please provide details of current activity in the area

The expected outcome or impact of the research school, including any follow up activity such as a research workshop

Research schools should cover topics of current and broad interest in the mathematical sciences, including pure mathematics, mathematical physics or biology, finance, operations research, data science, logistics, statistics, and a wide range of mathematics applicable to industry.

Who is the audience: provide information on how you will ensure that the series has diverse and well-balanced participation from under-represented groups. For example, proposers are encouraged to select students from parts of the world that would significantly benefit from communication and interaction in a non-political setting in order to enhance mutual understanding via the process of striving for common intellectual goals.