

M2D 2nd Annual Conference on Decision Making Under Uncertainty

Isaac Newton Institute, Cambridge, UK

11th - 14th June 2018



The Isaac Newton Institute, 20 Clarkson Rd, Cambridge CB3 0EH

Models to Decisions is a network funded by a consortium of UK Research Councils. Our aim is to bring together all those interested in the field of model informed decision making and from this [new] alliance, to collaborate on the development of a robust, topical and relevant Research Agenda which will be communicated back to the Research Councils. The M2D Annual Conference seeks to provide an inclusive environment that encourages and delivers multi-disciplinary engagement across a wide range of topics and disciplines, centred around the three core themes of the M2D network. During the course of this four-day event we endeavour to:

- Facilitate multi / cross disciplinary engagement and collaboration
- Showcase novel, multidisciplinary research
- Encourage lively discussion and debate
- To connect with the end-user community and allow for two-way discussions regarding current perspectives, needs and challenges
- Develop a M2D Member inspired Research Agenda for Decision Making under Uncertainty

The conference will be under pinned by the three core themes of the network.

1. The **Quantification of Uncertainty** in complex numerical or mathematical models.
2. **From Model to Decision**, following the metamorphosis of model outputs into a process of human cognition.
3. **Communicating Uncertainty**, how can we ensure that we are providing the best possible source of support to decision makers, particularly within the realm of understanding "uncertainty".

These three themes cover a wide range of academic disciplines from mathematics to psychology, philosophy and the humanities. This wide range of disciplines will be reflected in the panel discussions, invited / contributed talks and posters at the conference. In every case, we challenge all our speakers and presenters to ensure that their talks are accessible by all, regardless of individual discipline and background.

Among the deliverables from the network is a research agenda for the Research Councils. The research sessions during this conference will all aim to elicit a draft research agenda from M2D Conference participants.

Scientific Committee

The Scientific Programme is being organised by the Scientific Committee: Peter Challenor (University of Exeter), Catherine Powell (University of Manchester), Richard Bradley (London School of Economics), Alejandro Diaz (University of Liverpool), James Lyons (University of Exeter), David Woods (University of Southampton), Matt Butchers (Knowledge Transfer Network), Richard Clayton (University of Sheffield), Veronica Bowman (Dstl) and Julie Gore (University of Bath).

Scientific Programme

Key programme sessions will include:

- Challenges in Trust [in Models]
- Challenges in Communication & Visualisation
- Challenges in Models Discrepancy
- Mathematical Challenges in Uncertainty Quantification.

To also include:

- Decision Maker Led Workshop(s) - more details to follow

Keynote Speakers - *Coming soon.*

Call for Abstracts – Now OPEN

Visit www.models2decisions.org for further details.

Registration – To Open on the 5th February 2018

Please direct all queries to Emma Clarke at m2d@exeter.ac.uk