

2012 LMS Prospects in Mathematics

Prof Matthias Heil

School of Mathematics, University of Manchester

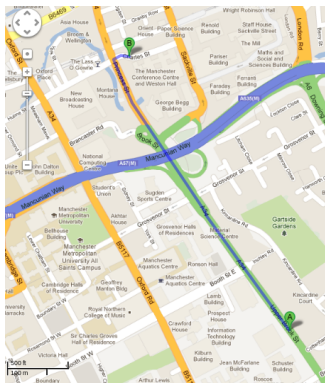


LONDON
MATHEMATICAL
SOCIETY

Welcome to Manchester!

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- ▶ Food and drink on the Atrium Bridge.
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 - ▶ Can claim up to £50.
 - ▶ Pick up a claim form if you don't have one already.
 - ▶ Send it to me – with receipts (!) – by Jan 6 2013 at the latest.

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Questions?

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- ▶ Speakers were chosen because they were suggested by colleagues who believe them to be able to ...
 - ▶ ...convey the excitement of research in mathematics,
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Make the most of the meeting – talk to us!

Tuesday, 18 December:

12.00 – 1.00 Registration

1.00 – 1.15 **Welcome, overview of meeting and few words about funding for PhD studies.**

1.15 – 2.00 Colm Caulfield "Shaken or stirred? Inherent nonlinearity in fluid dynamics"

2.00 – 2.45 Michael Wemyss "Interactions between Algebra and Algebraic Geometry".

2.45 – 3.30 Jane Hutton "Modelling life and death: good life or bad drugs?"

3.30 – 4.00 **Tea break**

4.00 – 4.45 Presentations from the Doctoral Training Centres

4.45 – 5.30 Mark Holland "Recurrence and Chaos in Dynamical Systems"

5.30 – 6.15 Carmen Molina Paris "Mathematical Immunology at the molecular, cellular and population scales"

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2.45 – 3.30 Francoise Tisseur & Mark Kambites: "Something Tropical..."

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Wednesday, 19 December:

9.00 – 9.45 Darren Crowdy "Lotus leaves, ketchup, and boundary value problems, fixed and free, in applied mathematics"

9.45 – 10.30 Anand Pillay "Logic, model theory, applications"

10.30 – 11.00 **Coffee break**

11.00 – 11.45 Nick Bingham "Probability everywhere"

11.45 – 12.30 Chris Hughes "Applications of Random Matrix Theory"

12.30 – 1.30 **Buffet lunch**

1.30 – 2.15 Rob Scheichl "Multiscale Problems: Numerical Analysis and Scientific Computing"

2.15 – 3.00 Sarah Whitehouse "Algebraic structures in topology"

A few words about PhD funding

Funding: Who's going to pay the bills?

Focus of this meeting is on the research. However, while studying for a postgraduate degree you'll need funding to

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- ▶ Many departments/universities offer additional Scholarships from their own resources.
- ▶ Academics regularly apply for research grants from the EPSRC and other organisations. These may include PhD studentships.

Funding: Who's going to pay the bills?

General Advice:

- ▶ Get good grades (and meaningful references!)
- ▶ Do whatever you can to gain some research experience while you're an undergraduate (final year projects; summer research projects; research-related internships;...)
- ▶ Talk to potential supervisors and discuss possible projects.
- ▶ Apply early (but not “too early”).