



JOINT SOCIETY MEETING with The Royal Meteorological Society

Blackett Laboratory, Lecture Theatre 1, Imperial College London,
South Kensington Campus, London, SW7 2BW

16 APRIL 2014

The Maths of Planet Earth

2.00 pm Opening of the meeting

Speakers:

- Prof Chris Budd, University of Bath.
- Dr Tamsin Edwards, University of Bristol.
- Prof Chris Jones, The University of North Carolina.
- Prof Ted Shepherd FRMetS, University of Reading.
- Dr Emily Shuckburgh, British Antarctic Survey.
- Dr John Taylor, DAMTP, University of Cambridge.

Mathematics has always played a crucial role in modelling the weather and climate. Today, scientists and policy makers are demanding ever-more detailed information from simulations of the Earth system, and our strategy for model development requires concomitant advances in mathematics. The international programme 'Mathematics of Planet Earth 2013 (MPE2013)' is devoted to advancing research programmes in all areas of environmental and biological modelling in which maths plays a crucial role, and the organizers hope that the initiative will have a lasting impact.

In this Society Meeting of the LMS, in collaboration with the Royal Meteorological Society, presentations will be made by those who have been involved with MPE2013 in the fields of weather, climate and environmental prediction. This meeting will focus on Earth observation and Earth system modelling, and will discuss how improvements in models, and the optimal exploitation of observations, depends on advances in mathematics.

This meeting is sponsored by The Grantham Institute for Climate Change, an Institute of Imperial College London and the London Mathematical Society.

The London Mathematical Society is the UK's learned society for mathematics. London Mathematical Society, De Morgan House, 57-58 Russell Square, London WC1B 4HS. Tel +44 (0)20 7637 3686; Fax: +44 (0)20 7323 3655; Email: lms@lms.ac.uk; Web: www.lms.ac.uk; Registered charity no. 252660

The Royal Meteorological Society is the professional and learned society for weather and climate. Royal Meteorological Society, 104 Oxford Road, Reading, RG1 7LL. Tel: 0118 956 8500 Fax: 0118 956 8571 Email: info@rmets.org; Web: www.rmets.org. Registered charity no. 208222