

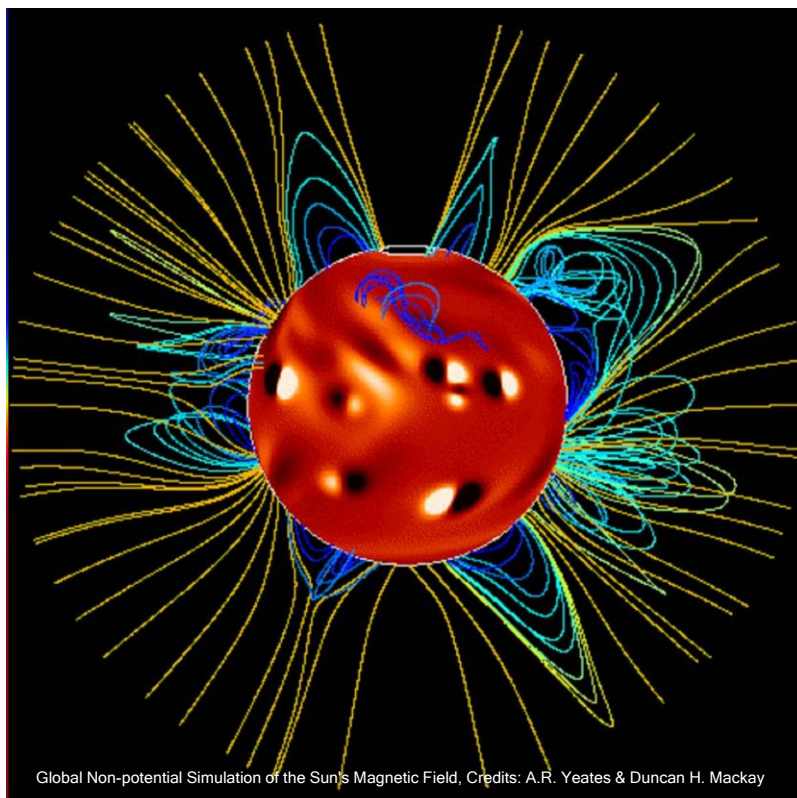


# ROYAL ASTRONOMICAL SOCIETY SPECIALIST DISCUSSION MEETING

## A Comparison of Solar Eruption Models from Local and Global Perspectives: Observation and Theory

Organisers:

Len Culhane (MSSL); Alan Hood (St Andrews) & Bernhard Kliem, (MSSL/Potsdam)



Global Non-potential Simulation of the Sun's Magnetic Field, Credits: A.R. Yeates & Duncan H. Mackay

**Friday 13<sup>th</sup> January 2012**  
**Royal Astronomical Society Lecture Theatre**  
**Burlington House, Piccadilly**

In an area that has attracted considerable controversy and debate over many years, theoretical ideas are beginning to show signs of convergence, while an unparalleled array of observational assets in space, e.g. SOHO, Hinode, Stereo and more recently NASA's Solar Dynamics Observatory (SDO), is allowing increasingly stringent testing of the available models.

The study of solar eruptions is assuming a growing importance given the increased concern about the disruptive role of e.g. Coronal Mass Ejections (CMEs), in the near-earth environment. The meeting will seek to confront the leading theoretical ideas with the now substantial and expanding body of observational material that relates to the magnetic fields and plasmas that are studied both at the Sun's surface and in its high atmosphere.

This Specialist Discussion meeting is open to all; admission is free for RAS members, £15 for non-members (£5 for full-time students). For further details of location and times see [www.ras.org.uk/](http://www.ras.org.uk/) or phone the Society on 020-7734-3307.