

RAS Discussion Meeting 11 November 2011 - UKSEDI

- 10:30 – 11:00 Carolina Lithgow Bertilloni, UCL (invited)
What is a plume? An experimental perspective
- 11:00 – 11:15 Saskia Goes, Imperial College
Synthetic images of dynamically predicted plumes and comparison with global tomography
- 11:15 – 11:30 Elizabeth Day, University of Cambridge
P-wave precursor observations of small-scale variations of the 660 km seismic discontinuity
- 11:30 – 12:00 Jeroen van Hunen, University of Durham (invited)
The dynamics of subduction throughout the Earth's history
- 12:00 – 12:15 Huw Davies, Cardiff University
Earth's Surface Heat Flux -47 +-2 TW
- 12:15 – 12:30 Andy Nowacki, University of Bristol
Flow-induced anisotropy in D'': predictions and observations of shear wave splitting
- 12:30 – 14:00 Extension to Poster viewing / lunch
- 14:00 – 14:30 George Hellfrich, University of Bristol (invited)
Outer core structure and its implications
- 14:30 – 14:45 Jessica Irving, University of Cambridge
Small and regional scale heterogeneities in Earth's inner core
- 14:45 – 15:00 Andy Biggin, University of Liverpool
Palaeomagnetism as a probe of long timescale processes occurring in the Earth's deep interior
- 15:00 – 15:30 Julian Aubert, Institut de Physique du Globe de Paris (invited)
Imaging flow within the Earth's core
- 16:00 James Wookey, University of Bristol (as part of RAS Ordinary meeting)
Between a rock and a hot place: the core mantle boundary

Posters

Susan Macmillan, BGS Edinburgh

Space Weather Impacts of the Developing South Atlantic Anomaly

Kathy Whaler, University of Edinburgh

Core surface flows with acceleration and their ability to forecast the magnetic field

Phil Livermore, University of Leeds

Forecasting the geomagnetic field using variational data assimilation

Lauren Waszek, University of Cambridge

Earth's inner core: hemispheres, anisotropy and rotation

Luis Silva, University of Leeds

Inner core structure caused by quasi-geostrophic core flows

Ciarán Beggan, BGS Edinburgh

Separation of Main Field and Secular variation signatures within slow and fast S-wave regions on the Core-Mantle Boundary using Slepian functions

Chris Davies, University of Leeds

A buoyancy profile for the Earth's core

Anna Mäkinen, University of Cambridge

Global seismic observations of time variations in the Earth's core, and its rotation

Ceri Nunn, University of Cambridge

P and S wave tomographic structure of NE Tibet

Neil Suttie, University of Liverpool

The evolution of geomagnetic intensity over recent time

Victoria Ridley, University of Liverpool

Jovian Secular variation and Length of Day

Miles Osmaston

A new starting-point for the deep-Earth paradigm, leading to wider insights on today's behaviour