



**IOP** | Institute of Physics  
History of Physics Group

# RUTHERFORD'S GEOPHYSICISTS

## A Celebration of the work of Lord Blackett PRS, and Professor Sir Edward Bullard FRS, on the Physics of the Earth

A meeting, sponsored by the British Geophysical Association, the Royal Astronomical Society and the History of Physics Group of the Institute of Physics, to be held in the Tilley Lecture Theatre, Department of Earth Sciences, Cambridge, on Thursday 4th April, 2013.

**Organisers:** Aftab Khan (University of Leicester), Edward Davis, Carol Williams and Mary Fowler (University of Cambridge)

### Programme

- 10:00-10:45 Coffee
- 10:50 Welcome and Introduction
- 11:00-11:20 **Professor Mary Fowler**, Master of Darwin College, Cambridge.  
*Baron Rutherford of Nelson*
- 11:20-11:30 **Professor Edward A Davis**, Department of Materials Science and Metallurgy, University of Cambridge.  
*Rutherford, Kelvin and the Age of the Earth*
- 11:30-12:00 **Dr Greg Good**, Director, Center for History of Physics, American Institute of Physics.  
*Rutherford's Geophysicists*
- 12:00-12:30 **Professor Sir Arnold Wolfendale FRS**, Emeritus Professor in the Department of Physics, University of Durham.  
*Lord Blackett: Cosmic Rays*
- 12:30-13:00 **Dr Frank Lowes**, School of Chemistry, Newcastle University (Manchester University, 1946-52).  
*Blackett and Bullard: the start of Geomagnetism at Manchester and other interactions with Bullard*
- 13:00-14:00 Lunch
- 14:00-14:30 **Professor Ken Creer**, Emeritus Professor of Geophysics, University of Edinburgh.  
*The First Polar Wandering Curves*
- 14:30-15:00 **Professor Raymond Hide FRS**, Emeritus Professor of Physics, Oxford University, and Senior Research Investigator, Department of Mathematics, Imperial College, London.  
*Rutherford's Geophysicists and Theories of the Main Geomagnetic Field*
- 15:00-15:30 **Professor Nigel Weiss FRS**, Emeritus Professor of Mathematical Astrophysics, Department of Applied Mathematics and Theoretical Physics, University of Cambridge.  
*Chaotic behaviour in non-linear Dynamos*
- 15:30-16:00 **Professor Andrew Jackson**, Institut für Geophysik, ETH Zürich.  
*Bullard's Legacy: The numerical dynamo problem from ACE to the modern day*
- 16:00-16:30 Tea
- 16:30-17:00 **Professor Aftab Khan**, Emeritus Professor of Geophysics, University of Leicester.  
*From Bullard's Pendulum Gravity Survey in East Africa to KRISP (Kenya Rift International Seismic Project)*
- 17:00-17:30 **Professor John Sclater FRS**, Distinguished Professor at Scripps Institution of Oceanography University of California at San Diego.  
*Global Heat Flow*
- 17:30-18:00 **Professor Anton Ziolkowski**, PGS and Royal Academy of Engineering Research Professor of Petroleum Geoscience, The University of Edinburgh.  
*Transient-Controlled Source Electromagnetics*
- 18:00-18:30 **Professor Dan McKenzie FRS**, Emeritus BP Professor of Earth Sciences, University of Cambridge.  
*Plate Tectonic Reconstructions & Euler's Theorem*
- 18:30 Reception in the Sedgwick Museum
- 20:00 Dinner at Corpus Christi College

Registration at <http://homes.esc.cam.ac.uk/Rutherford> by 8th March 2013.