

Astrophysics at Extremely High Angular Resolution: Optical and Infrared Interferometry

Friday November 11 2011, 10:30-15:30

The Geological Society, Burlington House, LONDON, W1J 0BG, UK

We'd like to announce a one day RAS Specialist Discussion meeting on Astrophysics at Extremely High Angular Resolution: Optical and Infrared Interferometry

The new century has seen a quantum leap in the field of optical and infrared long-baseline interferometry, with facilities such as the CHARA and VLTI arrays now routinely producing images with milliarcsecond resolution. As a result, over the past ten years, ground-based optical/IR interferometry has transitioned to become a mainstream, common-user, technique offering unprecedented insights into a wide range of astrophysical phenomena. These include asteroseismology, YSO accretion, photosphere dynamics, exoplanet characterization, and the structure of AGN cores.

This meeting will bring together experts and novices in the field to present their latest scientific results, and to highlight the existing and upcoming capabilities at facility class arrays such as the VLTI. We hope to attract not only attendees who are excited by the possibilities that interferometric methods can bring to their research, but also those who wish to find out more and assess the investment of their time needed to best exploit the UK's access to European and American interferometric arrays.

You can find more information, including a preliminary program on the website.

Rene Oudmajer (Leeds) roud at ast.leeds.ac.uk

Ettore Pedretti (St Andrews, ESO) ep41 at st-and.ac.uk

Chris Haniff (Cambridge) cahm at rao.cam.ac.uk

Weblink: <http://www.ast.leeds.ac.uk/~roud/rasmeet2012.htm>

Email: r.d.oudmajer@leeds.ac.uk