

Astronomy and Astrophysics



**Astronomy Unit and School of Physics Alumni Day
Queen Mary, University of London**

Saturday 26 March 2011



Join Professor Jim Emerson and
Professor Richard Nelson for a relaxed
programme of lectures, conversation
and lunch

Astronomy Unit and School of Physics, Queen Mary, University of London

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The Astronomy Unit at Queen Mary, University of London is a leading research centre in areas as diverse as solar system dynamics and cosmology – from the rings of Saturn to the birth of the Universe. Join Professors Jim Emerson and Richard Nelson for a relaxed programme of lectures, conversation and lunch.

The Astronomy Unit is one of the main centres of astrophysics research in the UK. A wide range of research areas is studied including solar system dynamics, space and solar plasmas, planetary atmospheres, stellar structure, planet formation, survey astronomy and cosmology.

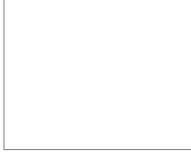
The Astronomy Unit is based in the School of Mathematical Sciences but has always worked closely with the School of Physics, especially in participating in teaching Astrophysics at both undergraduate and postgraduate level. The MSc in Astrophysics is

one of the longest running masters programmes in the UK and has provided a pathway into Astrophysics for many students over the years. There are currently 15 faculty members in the Astronomy Unit, alongside post-doctoral fellows and PhD students. There is a lively interactive research environment with general Astronomy seminars and more specialised group meetings. There are interactions with colleagues in both Physics and Mathematics.

More information is available at www.maths.qmul.ac.uk/astronomy

Professor Jim Emerson led the build project for the VISTA telescope which has recently begun operations in the Atacama Desert in Chile as part of the European Southern Observatory (ESO). VISTA (the Visible and Infrared Survey Telescope for Astronomy) is the world's largest telescope dedicated to mapping the sky in infrared light and will reveal a completely new view of the southern sky.

Professor Richard Nelson leads the Planetary Formation and Astrophysical Fluids Group. His research focuses on the formation and evolution of planetary systems, the dynamics of astrophysical disks and numerical astrophysics. His current research is concerned with how nascent planets around distant stars interact with the protoplanetary disk.



**Astronomy Unit and School of
Physics Alumni Day (26.03.11)**
Alumni Relations Office
Queen Mary, University of London
Mile End Road
London
E1 4NS

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by Creative Services for the
Alumni Relations Office – Pub7606

For further information contact:

Alumni Relations Office
Queen Mary, University of London
Mile End Road
London
E1 4NS
Tel: +44 (0)20 7882 7790
email: alumni@qmul.ac.uk
www.qmul.ac.uk/alumni