



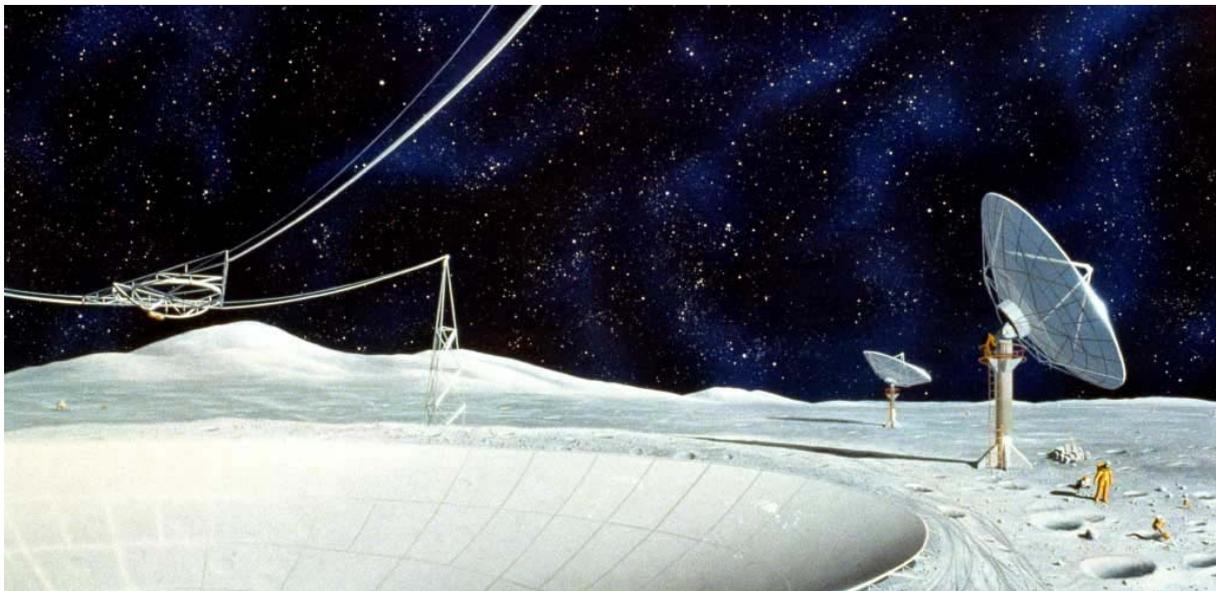
The Royal Astronomical Society Specialist Discussion Meeting

Friday 14th December 2007
Royal Astronomical Society Lecture Theatre
Burlington House, Piccadilly

Astronomy from the Moon

Organisers:

Ian Crawford (Birkbeck) and John Zarnecki (OU)



In January 2004, President Bush announced a new *Vision for Space Exploration*, which has refocused NASA's objectives towards human missions to the Moon and Mars, and the European Space Agency's *Aurora* Programme has established similar objectives for Europe. In the context of this revival of interest in the robotic and human exploration of the Moon, this meeting will examine its potential value as a platform for studies of the wider universe through lunar-based astronomical observations.

Speakers and talks will be as follows: Dr Ian Crawford (Birkbeck): Moon-Based Astronomy within the Context of International Lunar Exploration; Prof. Mario Livio (STScI): Astrophysics Enabled by the Return to the Moon; Prof. Heino Falcke (ASTRON): Low Frequency Radio Astronomy from the Moon; Prof. Chris Haniff (Cambridge): The Pros and Cons of Optical Interferometers on the Moon; Prof Mike Lockwood (RAL): Detection of Extra-Solar Planet Radio Emission from the Moon; Dr Graham Woan (Glasgow): The Influence of Environment and scattering on Low-Frequency Lunar Radio Astronomy; Dr Giovanna Tinetti (UCL): Observing the Earth from the Moon; Dr Steve Sembay (Leicester): MagEX: A Proposal for a Lunar-Based X-Ray Telescope.

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/ or phone the Society on 020-7734-3307