

A New Generation of UK Space Exploration

14th July 2010, Royal Astronomical Society, Burlington House, Piccadilly, London

- 10:00 Space Missions: From sketchpad to launchpad
S. Schwarz, Imperial
- 10:30 The Caroline Mission Concept: Exploring the diversity of primitive bodies
G. Jones, MSSL
- 10:45 New Questions in the Science of airless bodies – What next for the Moon and Asteroids
N. Bowles, Oxford
- 11:00 The science case and challenges for L class missions to Uranus or Neptune
C. Arridge, MSSL
- 11:15 Towards Interplanetary Space Weather: Strategies for manned missions to Mars
C. Foullon, Warwick
- 11:30 HiRISE: a dedicated high resolution mission for the dynamical chromosphere-corona interface
L. Dame, LATMOS
- 11:45 Plasma coupling and energetics in the solar atmosphere
S. Matthews, MSSL
- 12:00 Lunch break
- 13:00 Mission opportunities with China
M. Dunlop, RAL
- 13:15 An M-Class Mission Concept: Investigations of magnetopause activity using longitudinally aligned satellites (IMPALAS)
C. Owen, MSSL
- 13:30 Waves and Acceleration of Relativistic Particles (WARP)
R. Horne, BAS
- 13:45 Planet-X: A novel view of the solar system
G. Branduardi-Raymont, MSSL
- 14:00 Multi-spacecraft mission to the aurora
A. Fazakerley, MSSL
- 14:15 A 24/7 and interhemispheric global auroral imaging mission
S. Milan, Leicester
- 14:30 Fast Auroral Mars Explorer (FAME)
A. Coates, MSSL
- 14:45 NanoSats as Space Weather “balloons” for in-situ monitoring of the Earth’s ionosphere and thermosphere
D. Kataria
- 15:00 Break
- 15:15 Discussion

Organised on behalf of the MIST and UKSP communities