

SPEAKER'S BIOGRAPHY

Ian Crawford (United Kingdom)



Ian Crawford is a Senior Lecturer in Planetary Science at Birkbeck College, University of London. He was a Co-Investigator on the D-CIXS (Demonstration of a Compact Imaging X-ray Spectrometer) instrument on ESA's SMART1 spacecraft, and Chairs the Science Team for C1XS, a similar instrument that is being built in the UK for India's Chandrayaan-1 lunar mission.

He was a member of the Science Study Steering Group which defined the scientific objectives for the UK's proposed MoonLITE lunar mission, and a member of the UK Space Exploration Working Group which recently recommended a major expansion of UK involvement in space exploration (see http://www.bnsc.gov.uk/assets/channels/discovering_space/SEWG_Report.pdf).

Dr Crawford was also a member of ESA's Human Spaceflight Vision Group, which recommended in 2003 that ESA pursue a programme of human lunar exploration; within this study he was principally responsible for the development of the scientific case. Dr Crawford is convinced that space exploration will prove to be of central importance for the future of humanity for a range of scientific, economic and cultural reasons. Some of these are developed on his Case-for-Space website (http://zuserver2.star.ucl.ac.uk/~iac/case_for_space.html), and in more detail in the publications listed below.

Some recent publications related to space exploration:

["The scientific case for renewed human activities on the Moon"](#), *Space Policy*, 20, 91-97, (2004).

["Human exploration of the Moon and Mars: implications for Aurora"](#), *Astronomy & Geophysics*, 45(2), 28-29, (2004).

["Towards an Integrated Scientific and Social Case for Human Space Exploration"](#), in: ["The Scientific Case for Human Space Exploration"](#), proceedings of an RAS Specialist Discussion Meeting published in a Special Issue of *Earth, Moon and Planets*, 94, 245-266, (2005).

["The Astrobiological Case for Renewed Robotic and Human Exploration of the Moon"](#), *Internat. J. Astrobiol.*, 5, 191-199, (2006).

["Swords to Spaceships"](#), first published in *Prospect*, 131, 14-15, (February, 2007).