

## **UK Speaker BIO's**

### **Professor Keith Mason, UK Space Agency; Senior Advisor**

Professor Keith Mason has been seconded to the UK Space Agency as a senior advisor on steps needed to leverage the research base to maximize the economic growth of the space sector. Prior to this, Professor Keith Mason became the first Chief Executive of the newly formed Science and Technology Facilities Council (STFC) and is the current Chair of the UK Space Board, which oversees the UK Space Agency.

Previously Professor Mason was Chief Executive of the Particle Physics and Astronomy Research Council (PPARC). Before he joined the PPARC Professor Mason was at University College London where he was Professor of Astronomy and head of the Department of Space and Climate Physics. He was also Director of UCL's Mullard Space Science Laboratory. He worked in X-ray astrophysics: leading the team that developed and managed the Optical Monitor on ESA's current X-ray observatory, XMM-Newton, and also the Ultra Violet/Optical Telescope (UVOT) on NASA's Swift mission studying gamma-ray bursts.

Professor Mason did his undergraduate and graduate degrees at University College London (UCL) in the early 1970s before going to the University of California at Berkeley to continue research in X-ray astronomy. Studying high-energy sources such as quasars and X-ray emitting binary stars, he worked on NASA's first High Energy Astrophysics Observatory, HEAO 1, while also carrying ground-based optical observations. Returning to the UK in the 1980s with a SERC Fellowship (SERC is PPARC's predecessor), Professor Mason then worked on ESA's first X-ray mission, Exosat, while based at UCL's Mullard Space Science Laboratory (MSSL). After holding a Royal Society Fellowship for 10 years, Professor Mason became the Laboratory's Associate Director and then Director of Science. He took over as Director in 2003.

### **Anthony Burn, Space Sector Manager A|D|S Group**

Anthony Burn is Space Sector Manager for A|D|S Group. A|D|S is the trade organization advancing the UK Aerospace, Defense, Security and Space industries. Anthony joined A|D|S in 2011 (then SBAC) having worked in the aerospace and general transport sectors for the last ten years, with a focus on industry, trade, sustainability, infrastructure, and growth. Previous employers include Transport for London, The Federation of Small Businesses, and Citigate PA. Anthony holds a postgraduate degree in Political Science and Philosophy, from the University of Canterbury, after being granted a scholarship from the Centre for Research on Europe.

In his current post, Anthony is the sector lead for space for A|D|S under the A|D|S MD for AeroSpace and was appointed full-time Space Sector Manager in A|D|S in July 2010 after a three month secondment with the Aerospace Industries Association of America (AIA). Anthony has a joint working relationship with UKspace and the Intellect Technology Association and works with a wide range of government and industry partners, including Farnborough International Limited, BIS, UKTI, and ASD, on behalf of A|D|S members and the wider sector.

A|D|S involvement in space includes export growth and the reform of export controls, the R&D and Innovation agenda, the skills agenda, support for the UK Space Agency and BIS, and the national and international regulatory environment for space.

### **Dr Barbara Ghinelli, Executive Director Harwell and ISIC International Space Innovation Center)**

Dr Barbara Ghinelli is the Executive Chair of the International Space Innovation Centre (ISIC), a rapidly expanding organisation with membership from the public and private sector designed to accelerate the growth of Space in the UK. ISIC was opened in May 2011 and Barbara was previously

the director of the ISIC establishment project that was led by STFC on behalf of its partners. Barbara also coordinates the development of the Harwell Space Cluster which is of growing strategic importance in the Harwell Oxford Science & Innovation Campus. She is responsible for ensuring that the various Campus Space activities and initiatives work together to maximum benefit. This includes synergies with the ESA Centre at Harwell, STFC's RAL Space, the ESA/STFC Business Incubator Centre, and the various other space organisations that are establishing themselves at Harwell Oxford.

Barbara joined STFC in January 2010 originally as Executive Director of Business Development. Barbara established a new corporate Business Development Directorate within STFC whose many successes include attracting funding for ISIC and for High Performance Computing at Daresbury, and successfully established ISIC as an independent organisation with a wide range of members from industry, academia and the public sector. Barbara developed the vision for the new STFC Campus Centres Programme and led its development, laying a solid foundation for a number of strategic cross-disciplinary activities on STFC's two Science and Innovation Campuses at Harwell Oxford and Daresbury. She was also responsible for establishing the Collaborative R&D programme designed to broaden the industrial user base of STFC large facilities. This has already introduced a number of new users to the ISIS Neutron Spallation Source.

Barbara graduated in Electronic Engineering at the University of York, and completed her PhD in Radar Imaging and Neural Networks at the University of Sheffield. She also holds a Certificate in Management from the Open University. Barbara joined STFC from EADS Astrium, the largest Space Company in Europe. In Astrium, she was responsible for Business Development across Europe for the €3.2 billion joint ESA/EU Earth Observation Programme for Global Monitoring of Environment and Security (GMES).

#### **Stuart Martin, Head of Logica Space and Vice Chair of UKSpace**

Stuart Martin is Vice chairman of UKspace, the trade association for the UK space industry. In this capacity he represents the wider UK space industry towards government and other UK and international stakeholders and he has special responsibility for innovation and private finance.

Stuart Martin is one of 200 Partners at Logica, a large European business technology company employing 41,000 people. Stuart is Business Director for Space & Satellite Communications activities, a unit that turns over £60M per year and employs more than 300 staff. He has overarching management responsibility, including strategy, operations, R&D, innovation and collaboration. Since joining Logica in 1989, to work on orbit control systems for the European Space Agency, Stuart performed a range of engineering and management functions, mainly in the fields of satellite navigation and meteorological processing, before moving onto more strategic business roles in 2003.

Stuart Martin is a member of the Skynet Enterprise Partnership, a joint industry/MoD initiative to investigate and supply future military satcom requirements on an ongoing PPP basis; He is a founding member of the International Space Innovation Centre (ISIC), a combined government/industry/academia initiative to foster innovation in space at Harwell, UK. Stuart Martin was a key force in the creation of the space Applications Innovation Centre (AIC) at Harwell, to stimulate the demand for applications of space technology in non-space business sectors. Additionally, Stuart is a two-time chair of the UK judging panel for the European Satellite Navigation Competition (ESNC), channeling investment and support to innovative application ideas; he is a member of the Council of Eurospace, the trade association for the European space industry.

Stuart holds a BSc in Physics (first class) from Imperial College.