

**13<sup>th</sup> Appleton Space Conference**  
**Thursday 7<sup>th</sup> December 2017**

- 08.45 – 09.25            **Registration and Refreshments – R22 Lecture Theatre Foyer**
- Session 1: Chair - Dr Chris Mutlow, Director, STFC RAL Space**
- 09.30 – 09.40            **Welcome**  
Dr Chris Mutlow
- 09.40 – 10.00            **Putting Space at the Heart of the Industrial Strategy**  
Dr Graham Turnock, Chief Executive, UK Space Agency
- 10.00 – 10.20            **Satellite Observations for Sustainability and Climate Resilience**  
Prof Stephen Briggs, Senior Adviser, ESA and Chair, Global Climate Observing System
- 10.20 – 10.40            **Harwell Space Cluster: Building on the Success Story**  
Dr Joanna Hart, Development Manager, Harwell Space Cluster
- 10.40 – 11.00            **Your Role in Delivering an Industrial Strategy for Space**  
Tim Just, Head of Space, Innovate UK
- 11.05 – 11.25            Refreshments Break – R22 Lecture Theatre Foyer
- 11.30 – 11.50            **Commercialising Space Technology Through Start-ups at the ESA BIC Harwell**  
Dr Sue O’Hare, Operations Manager, ESA Business Incubation Centre
- 11.50 – 12.10            **Future Large Space Telescopes: Answering the Question, “Are we alone?”**  
Prof Martin Barstow, Pro-Vice Chancellor, Strategic Science Projects and Director, Institute of Space and Earth Observation, University of Leicester
- 12.10 – 12.30            **Stimulating Applications of Earth Observation**  
Jon Blower, Chief Technology Officer, Institute for Environmental Analytics
- 12.30 – 12.50            **More than Inspiration: How YOU can Support Skills Development for the Sector**  
Dr Kierann Shah, General Manager, National Space Academy
- 12.50 – 13.50            Buffet Lunch – R22 Lecture Theatre Foyer

**Session 2: Chair – Dr Gillian Wright, Director, STFC UK Astronomy Technology Centre**

- 13.55 – 14.15      **ESO’s Extremely Large Telescope and the UK ELT Programme**  
Sandi Wilson, UK ELT Programme Manager, STFC UK Astronomy  
Technology Centre
- 14.15 – 14.35      **ARIEL: ESA Cosmic Vision M4 Candidate Mission**  
Prof Giovanna Tinetti, Physics and Astronomy, University College London -  
Paul Eccleston, Chief Engineer, STFC RAL Space
- 14.35 – 14.55      **Emerging Needs and Opportunities for Ocean Remote Sensing**  
Dr Christine Gommenginger, Marine Physics and Ocean Climate, National  
Oceanography Centre
- 14.55 – 15.15      **A National Requirement for Space Surveillance and Tracking**  
Ralph Dinsley, Director, Northern Space and Security Ltd and Associate,  
Reflecting Space
- 15.20 – 15.40      Refreshments Break – R22 Lecture Theatre Foyer

**Session 3: Chair - Dr Jolyon Reburn, Earth Observation and Atmospheric Science Division Head, STFC RAL Space**

- 15.45 – 16.05      **Bringing Space Down to Earth as a Service Utility**  
Dr Malcolm Macdonald, Reader, University of Strathclyde
- 16.05 – 16.25      **Looking for Life on Mars with the ExoMars 2020 Rover**  
Prof Andrew Coates, Deputy Director, Mullard Space Science Laboratory,  
University College London
- 16.25 – 16.45      **Space Applications of Novel Laser Systems**  
Dr Graeme Malcolm OBE, Chief Executive, M Squared
- 16.45 – 17.05      **Satellite Video Constellations – Mastering the Fourth Dimension of Earth  
Observation**  
Richard Blain, Chief Executive, Earth-i
- 17.10 – 17.20      Short Break – R22 Lecture Theatre Foyer

**Session 4: 13<sup>th</sup> Appleton Keynote Lecture; Chair – Dr Chris Mutlow, Director, STFC RAL Space**

- 17.25 – 18.15      **A 10-Year Vision for Climate Science and the Role of Earth Observation**  
**Dame Julia Slingo, Chief Scientist, Met Office (retired)**
- 18.20 – 18.30      **Presentation and Conclusion**  
Dr Chris Mutlow
- 18.30 – 19.15      Reception for all participants – R22 Lecture Theatre Foyer