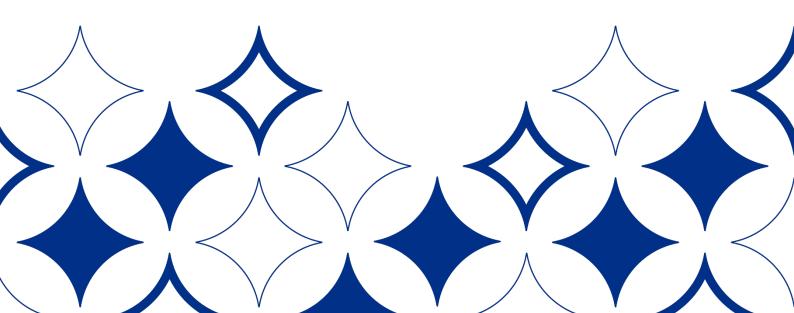


19th Appleton Space Conference

Thursday 7 December 2023



Morning Sessions

08:30	Registration
	R22 Coffee Lounge

Session 1: Resilient society Chair: Dr Sarah Beardsley, Director STFC RAL Space

09:05 - 09:25	Welcome Dr Sarah Beardsley, Director STFC RAL Space
09:25 – 09:45	The UK's international stance on space Rebecca Evernden, Director for Space, Department for Science, Innovation and Technology
09:45 – 10:05	Updates from the UK Space Agency Chris White-Horne, Deputy Chief Executive Officer, UK Space Agency
10:05 – 10:25	A 37-year journey to the Sun Prof Richard Harrison, Chief Scientist, STFC RAL Space
10:25 – 10:45	Quantum computing for space: thinking for the future Dr Sonali Mohapatra, Quantum Innovation Sector Lead, National Quantum Computing Centre
10:45 – 11:15	Break, networking, exhibition

Session 2: Earth observation

Chair: Dr Jane Hurley, Head of Earth Observation and Atmospheric Science, STFC RAL Space

11:15 – 11:35	Oceans of change: what next for Earth observation
	Prof Christine Gommenginger, Satellite Oceanography Team Leader, National
	Oceanography Centre

- **11:35 11:55**The Earth and Space Sustainability Initiative
Dr Stuart Clark, Director of Communications, Earth Space Sustainability Initiative
- **11:55 12:15** "The sky is not the limit!" Earth Observation at the Met Office Dr Simon Keogh, Head of Space Applications and Nowcasting R&D, Met Office
- **12:15 13:15** Lunch, networking, exhibition

Afternoon Sessions

Session 3: Keynote Lecture Chair: Dr Sarah Beardsley, Director STFC RAL Space

- 13:15 14:05 From greenhouse to icehouse: 100 million years of climate change in Antarctica Prof Dame Jane Francis, Director British Antarctic Survey
- 14:05 14:15 Comfort break

Session 4: People, communication and skills Chair: Prof Anu Ojha OBE, Director Championing Space, UK Space Agency and STFC Council

14:15 – 15:00 Panel session: Going beyond inspiration alone – skills, sustainability and meeting the challenges with the urgency we need
Prof Anu Ojha OBE, Director Championing Space, UK Space Agency
Dr Alex Brown, ESERO-UK Manager
Helen Johnson, Head of STFC Skills Centre
CJ Bishop, Community Engagement Manager, National Space Centre
Group Captain John Hetherington, Deputy Head Space Enablement, UK Space
Command
Mansi Joshi, Aerothermal Engineer, Rolls-Royce

- **15:00 15:15** Highlight: National Satellite Test Facility Prof Mark Thomson, Executive Chair STFC
- 15:15 15:45 Break, networking, exhibition

Session 5: Space science and exploration Chair: Paul Eccleston, Chief Engineer STFC RAL Space

- **15:45 16:05** To Bennu and Back: The OSIRIS-REx mission and the power of sample return Prof Neil Bowles, Professor of Planetary Science, University of Oxford
- **16:05 16:25** Euclid's dark energy journey Prof Adam Amara, Head of Mathematics and Physics, University of Surrey
- **16:25 16:55** The first observational link between black holes and dark energy Dr Kevin Croker, Affiliate Graduate Faculty, University of Hawai'i at Manoa
- **16:55 17:05** Comfort break

Session 6: Community Chair: Charlie Haire, Head of Business Development, STFC RAL Space

- 17:05 17:50 Panel session: How do we navigate future markets for space? Charlie Haire, Head of Business Development, STFC RAL Space John Abbott, CEO, Satellite Applications Catapult Kaoutar Abousmir, Head of International Strategy, DSIT John E Ward, Senior Director of Research and Development, Spire Global
- 17:50 18:00 Closing remarks
- **18:00 20:00** Please join us for an evening reception with drinks and bowl food



RAL Space

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Join the conversation #Appleton2023