

Welcome to the

18th Appleton Space Conference

Thursday 1 December 2022

Morning Sessions

09.00	Registration R22 Coffee Lounge	
Session 1: Chair – Dr Sarah Beardsley, Director STFC RAL Space		
09.15 - 09.25	Welcome Dr Sarah Beardsley, Director STFC RAL Space	
09.25 - 09.45	Implementing the National Space Strategy Rebecca Evernden, Director of Space, Department for Business, Energy and Industrial Strategy	
09.45 – 10.05	Space is a team sport Paul Bate, Chief Executive Officer, UK Space Agency	
10.05 – 10.25	ESA's Council of Ministers 2022 and the future of Europe's exploration Programme <i>Terrae Novae</i> Dr David Parker, Director of Human and Robotic Exploration, European Space Agency	
10.25 – 10.45	Gaia: Mapping the Milky Way in 3-D Dr Nicholas Walton, Institute of Astronomy, University of Cambridge	
10.45 – 11.15	Break, networking, showcase	
Session 2: Chair – Dr Joanna Hart, Director STFC Skills Factory		
11.15 – 11.35	Solving the space skills gap Joseph Dudley, Director, Space Skills Alliance	
11.35 – 11.55	10 years engaging, informing and connecting a generation of innovators at Stemettes, in 10 words! Dr Anne-Marie Imafidon MBE, Co-Founder, Stemettes	
11.55 - 12.15	UK Space – Inspiration and Opportunity for all young people Dr Emma Egging, Chief Executive Officer, Jon Egging Trust	
12.15 - 12.30	Highlight on STFC Skills Factory and skills opportunities Morgan Sagar, 4 th Year Apprentice, STFC Apprentice Scheme Hannah Bilby, STFC Graduate Training Scheme	
12.30 – 13.30	Lunch – networking showcase	

Afternoon Sessions

Session 3: Chair – Paul Eccleston, Chief Engineer, STFC RAL Space		
13.30 – 13.50	Coordinated Ionospheric Reconstruction Cubesat Experiment (CIRCE) Dr Gemma Attrill, Lead Scientist and Chief Space Weather, Space Systems Programme, Defence Science and Technology Laboratory (Dstl)	
13.50 – 14.10	MDA: Innovating to stimulate and empower the future Earth and Space economy Anita Bernie, Managing Director, MDA UK	
14.10 – 14.30	Quantum communications at all distance scales, but especially the largest ones Prof Timothy P. Spiller, Director, EPSRC Quantum Communications Hub	
14.30 – 15.00	Break, refreshments, showcase	
Session 4: Chair – Dr Jane Hurley, Head of Earth Observation and Atmospheric Science, STFC RAL Space		
15.00 – 15.20	Small Satellite Constellations for Earth Observation Mohammed Belal, Spire Global	
15.20 – 15.40	Beyond New Space Dr Nick Appleyard, Head of Downstream Applications, European Space Agency, ECSAT	
15.40 – 16.00	CubeMAP: Pioneering climate missions from cubesat platforms Dr Damien Weidmann, Head of Spectroscopy Group, STFC RAL Space	
16.00 – 16.10	Comfort break	
Session 5: Chair – Rob Elliott, Head of Business Development, STFC RAL Space		
16.10 – 17.10	Panel discussion: Unlocking Private Investment from Science and Technology Stuart Martin, Chief Executive Officer, Satellite Applications Catapult Dr Andy Muir, Investment Director, Future Planet Capital Dr Barbara Ghinelli, Director, Innovation Clusters and Harwell Campus Hitesh Thakrar, STFC Council	
17.10 – 17.25	Comfort break	
Session 6: 18 th Appleton Keynote Lecture; Chair – Dr Sarah Beardsley, Director STFC RAL Space		
17.25 – 18.15	The JWST Mission and First Science Prof Gillian Wright MBE, FRSE, European Principal Investigator MIRI and Director UK ATC	
18.15 – 18.25	Conclusion	

Closing networking

18.25 - 19.00



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