



Science & Technology
Facilities Council



Welcome to the Appleton Space Conference



Dr Chris Mutlow
Director STFC-RAL Space

Lecture Theatre Safety

FIRE

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go to assembly point -
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KLAXON

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Await further instructions

Security

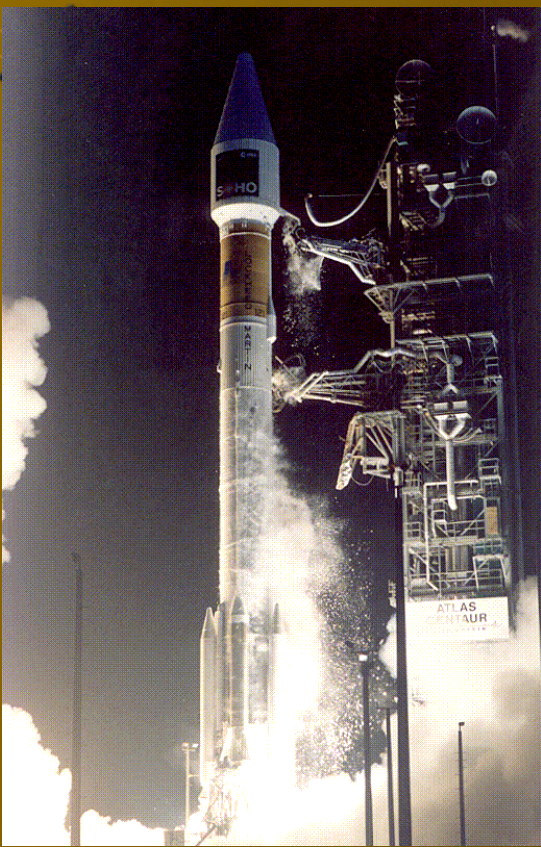
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First Aid

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Fire

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Happy birthday SOHO!

The world's solar workhorse orbiting L1 - two decades of service – bringing solar and heliospheric science research into the space weather applications arena

Conference Programme

Morning Session

08.45 – 09.25	Registration and Refreshments R22 Coffee Lounge
Session 1: Opening Session (Chair: Dr Chris Mutlow, Director STFC RAL Space)	
09.30 – 09.35	Welcome Dr Chris Mutlow
09.35 – 09.55	Making the UK the Place for Space! An Update from the UK Space Agency Dr David Parker, UK Space Agency
10.00 – 10.20	Satellite Applications: What's New? Dr Stuart Martin, CEO Satellite Applications Catapult
10.25 – 10.45	Innovation vs Invention Tim Just, Innovate UK
10.50 – 11.15	Refreshments Break R22 Coffee Lounge
11.15 – 11.35	The Perspective from ESA / ECSAT; Achievements, Challenges and Opportunities Dr Magali Vaissiere, Head of ECSAT, D TIA ESA
11.40 – 12.00	Doing Science with University CubeSats Dr Therese Moretto Jorgensen, Program Director, Space Weather Research, National Science Foundation
12.05 – 12.25	Developing New Space Ideas at SSTL Patrick Wood, Vice-Chair UKspace
12.25 – 12.45	Getting Space on Air Sue Nelson, Boffin Media
12.45 – 13.35	Buffet Lunch Restaurant

Afternoon Session

Session 2: Technology Challenges (Chair: Dr Sarah Beardsley, STFC RAL Space)	
13.35 – 13.55	The UK National Quantum Technology Hub in Sensors and Metrology and the Potential of Quantum Technologies in Space Prof Kai Bongs, University of Birmingham
14.00 – 14.20	Miniaturization of High Sensitivity Laser Sensing Systems for Compact Payload Deployment Dr Damien Weidman, STFC RAL Space
14.25 – 14.45	Integrated Terahertz Systems for Satellite Applications Alex Valavanis, University of Leeds
14.45 – 15.10	Refreshments Break R22 Coffee Lounge
Session 3: Space Science (Chair: Dr Gillian Wright, STFC UKATC)	
15.10 – 15.30	Space Weather - The UK's Activities in a Global Context Mark Gibbs, Met Office
15.35 – 15.55	Swift: A Decade of Rapid-Response Cosmic Discovery Prof Julian Osborne, University of Leicester
16.00 – 16.20	Early Spectroscopic Innovation at the Rutherford Appleton Laboratory Dr Alan Gabriel, Director Emeritus, Institut d'Astrophysique Spatiale
Session 4: Earth Observation (Chair: Dr Jolyon Reburn, STFC RAL Space)	
16.25 – 16.45	The National Centre for Earth Observation and EO Systems for the Next Decades Prof John Remedios, Director NCEO
16.50 – 17.10	Observing change in the Cryosphere; Revisiting the Landsat and CryoSat Archive Dr Noel Gourmelen, University of Edinburgh
17.15 – 17.35	Air Quality Monitoring From Space Dr Roland Leigh, University of Leicester
17.35 – 17.40	Short Break
Session 5: Keynote Lecture (Chair: Dr Chris Mutlow)	
17.45 – 18.15	11th Appleton Space Lecture: Breaking Barriers – The Bloodhound Supersonic Car Mark Chapman, Chief Engineer, Bloodhound SSC
18.20 – 18.30	Presentation and Conclusion
18.30 – 19.15	Reception for all participants R22 Lecture Theatre Foyer



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