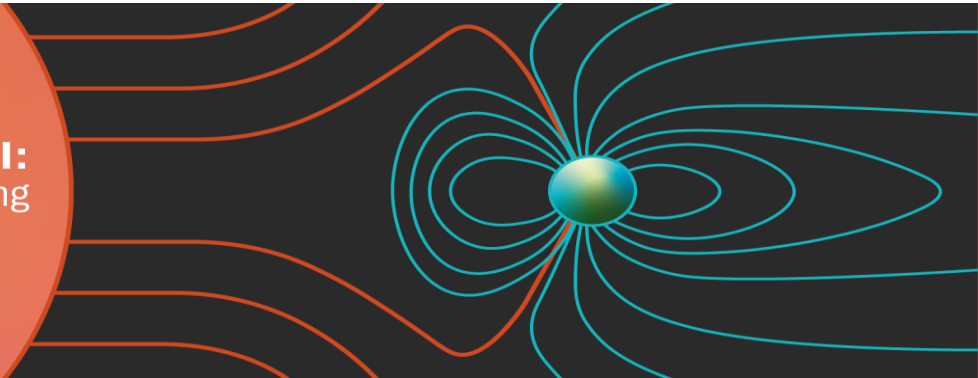


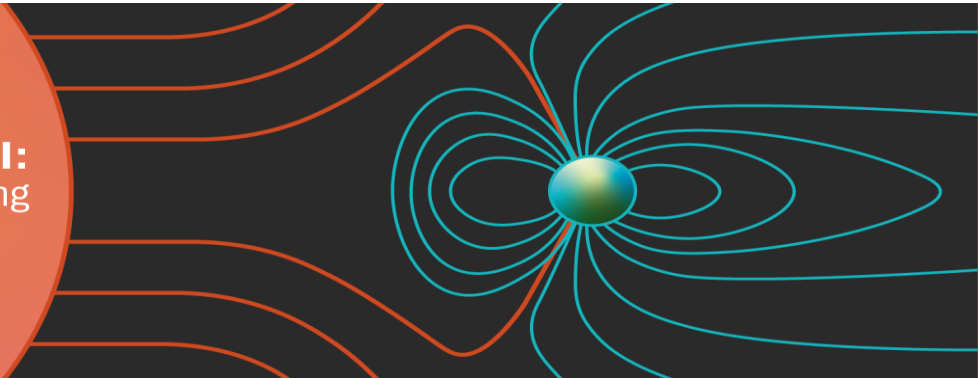
UK Space Weather and Space Environment Meeting III: Global Challenges in Understanding the Space Environment & Space Weather at Solar Maximum



Programme Thursday 11 September

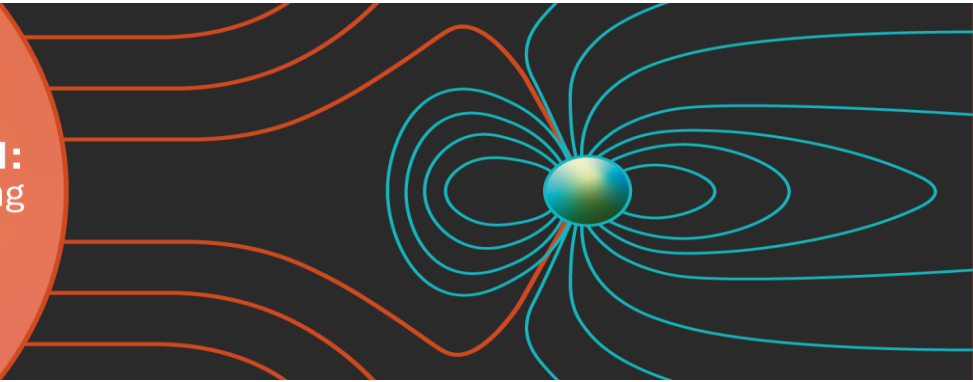
9:00 AM - 10:00 AM	Plenary Session 6: Impacts (Room: Main Hall) 9:00 AM Rick Tanner (Keynote Speaker): Radiation risks to human health (terrestrial, air crew, astronauts) due to cosmic radiation 9:30 AM Dimitrios Millas: Impact of recent geomagnetic storms on aviation as observed by PECASUS 9:45 AM Keith Ryden (Invited Speaker): The influence of space weather on electronics	
10:00 AM - 11:00 AM	Parallel Session 4A: M-I Coupling (Room: Main Hall) 10:00 AM Maria-theresia Walach (Invited Speaker): Bridging AMPERE and SuperDARN: Aligning Field-Aligned Current and Ionospheric Convection Boundaries During Geomagnetic Storms 10:15 AM Sarah Vines (Invited Speaker): The Utility of AMPERE for Space Weather Research and Applications 10:30 AM Mario Bisi: RISER – Using LOFAR Radio Observations and Modelling of the Heliosphere-Magnetosphere-Ionosphere System 10:45 AM Liisa Juusola (Invited Speaker): Drivers of rapid geomagnetic variations at high latitudes	Parallel Session 4B: Solar & Heliospheric Forecasting II (Room: Old Banqueting Hall) 10:00 AM Harriet Turner: Using solar wind data assimilation results to drive dynamic solar wind models 10:15 AM Harshita Gandhi (Invited Speaker): Improving CME forecast diagnostics from pre-launch to interplanetary space: 3D Analysis, Magnetic Constraints, and Deep Learning 10:30 AM Mathew Owens (Invited Speaker): Solar wind forecasting without magnetograms 10:45 AM Sarah Watson (Invited Speaker): Statistical Analysis of Comet Disconnection Events Using STEREO HI and a Data Assimilative Solar Wind Model
11:00 AM - 11:30 AM	Morning Break (Room: Hadfield Hall)	

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<p>11:30 AM - 1:00 PM</p>	<p>Parallel Session 5A: Magnetosphere (Room: Main Hall)</p> <p>11:30 AM Chiara Lazzeri (Invited Speaker): The Geomagnetic Response to Extreme Southward Turnings of the IMF</p> <p>11:40 AM Jean-francois Ripoll (Invited Speaker): New Environment Models of Cold Electrons and Electromagnetic Waves in the Near-Earth Space and their Impact on Radiation Belt Electrons</p> <p>11:50 AM Xingzhi Lyu: Modeling MeV Radiation Belt Electron Precipitation and Its Atmospheric Impact Using VERB-4D</p> <p>12:00 PM Steve Milan: Magnetospheric responses to the October 2024 ICMEs</p> <p>12:10 PM Clare Watt (Invited Speaker): Modelling highly-variable processes in the outer radiation belt</p> <p>12:20 PM Panel Session</p>	<p>Parallel Session 5B: Sun-to-Earth Forecasting (Room: Old Banqueting Hall)</p> <p>11:30 AM Lucie Green: Checklist for CME forecasting in advance of an eruption</p> <p>11:40 AM Robertus Erdelyi: Solar Activity Monitor Network (SAMNet) - Next step in ground-based Space Weather forecasting</p> <p>11:50 AM Edmund Henley (Invited Speaker): Lift-and-shift: useful approaches from terrestrial weather</p> <p>12:00 PM Mike Marsh: pyCAT: Researchitecting Operational CME Analysis</p> <p>12:10 PM Ruth Hyndman (Invited Speaker): Investigating SEP transport using observations and simulations</p> <p>12:20 PM Panel Session</p>
<p>1:00 PM - 2:00 PM</p>	<p>Lunch (Room: Hadfield Hall)</p>	
<p>2:00 PM - 3:00 PM</p>	<p>Parallel Session 6A: Space Environment (Room: Main Hall)</p> <p>2:00 PM Ralph Dinsley (Invited Speaker): Neglected Orbits and the Emperor's New Clothes: The Critical Gap in UK Space Situational Awareness</p> <p>2:15 PM Ashley West: AEGIS: Advancing Protective Space Weather Science through Agile Rideshare Missions</p> <p>2:30 PM Ben Clewer: The next generation of the Surrey Space Centre's SAIRA atmospheric radiation monitors</p>	<p>Parallel Session 6B: Sun-to-Earth Science (Room: Old Banqueting Hall)</p> <p>2:00 PM Yiwei Ni: Magnetic Transients Associated with a Solar Moreton Wave and Its Local Enhancement</p> <p>2:15 PM Philippa Browning (Invited Speaker): Oscillatory reconnection in coalescing magnetic flux ropes</p> <p>2:30 PM David MacTaggart (Invited Speaker): The application of magnetic topology approaches to the problem of solar flare and CME prediction</p> <p>2:45 PM Pauline Teyseyre: Real-time</p>

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	2:45 PM Matthew Brown (Invited Speaker): Improving thermospheric density forecasts for space domain awareness in Low Earth orbit with AENeAS	detection and characterisation of solar flares from ground-based VLF data
3:00 PM - 3:30 PM	Afternoon Break (Room: Hadfield Hall)	
3:30 PM - 5:00 PM	Plenary Session 7: Keynote Speaker and UK-International Community Discussion (Room: Main Hall) 3:30 PM Suzy Bingham: International Collaboration Beyond SWIMMR 4:00 PM Discussion 4:10 PM Richard Horne: The May 2024 Storm: Recommendations from the SEIEG Report 4:30 PM Ian McCreia: Space weather instrumentation, measurement, modelling and risk (SWIMMR) 4:50 PM Closing remarks	
5:00 PM - 5:15 PM	Close (Room: Main Hall)	