

Schedule

BST	Chairs: Ravindra Desai & Siegfried Gonzi	
10:30	Ravindra Desai	<i>Opening remarks</i>
10:35	Stefaan Poedts (Invited)	<i>Space Weather and the VSWMC</i>
11:00	Tony Arber	<i>Space weather predictions from solar magnetogram to satellite charging</i>
11:15	Robertus Erdelyi	<i>The Solar Activity Monitor Network - SAMNet</i>
11:30	Jasmina Magdalenić (Invited)	<i>Solar radio observations and the space weather</i>
11:55	Mario Bisi	<i>LOFAR4SpaceWeather (LOFAR4SW) – Increasing European Space-Weather Capability with Europe’s Largest Radio Telescope: A Brief Summary</i>
12:10	Bernard Jackson	<i>High-Resolution Density Reconstructions of the Inner Heliosphere and the Challenge for Future Modeling Techniques</i>
12:25	Lunch + Posters (Gathertown)	
Chairs: Jackie Davies & Matthew Lang		
13:00	Eftyhia Zesta (Invited)	<i>Noise Eliminating Magnetometer Instrument in a Small Integrated System (NEMISIS) on the Heliophysics Environmental and Radiation Measurement Experiment Suite (HERMES) platform of the Lunar Gateway</i>
13:25	Giuseppe Mandorlo	<i>European Space Agency Space Weather Mission To L5</i>
13:40	Daniel Verscharen	<i>The Plasma Analyser (PLA) instrument for Vigil - Update and Progress</i>
13:50	Jonathan Eastwood	<i>In situ magnetic field measurements at L5 for space weather monitoring and prediction</i>
14:00	Arnaud Thernisien	<i>The CCOR-3 Compact Coronagraph for the ESA VIGIL Mission</i>
14:10	Break	
Chairs: Matthew Lang & Ravindra Desai		
14:20	Enrico Camporeale (Invited)	<i>Reinventing Space Weather forecasts with Artificial intelligence: Current and future trends</i>
14:45	Edward Brown	<i>Attention-Based Machine Vision Models and Techniques for Solar Wind Speed Forecasting Using Solar EUV Images</i>
15:00	Harriet Turner	<i>Quantifying the effect of ICME removal and observation age for in situ solar wind data assimilation</i>
15:15	Craig DeForest	<i>NASA’s PUNCH Mission: A Pathfinder to Better Space Weather Forecasting</i>
15:30	Siegfried Gonzi	<i>Closing remarks</i>
15:35	Posters (Gathertown)	

Presenter	Poster Title
Timothy Horbury	<i>New space weather monitoring opportunities: Solar Orbiter and IMAP</i>
Sanjay Gosain	<i>A Compact Doppler Magnetograph based on miniaturization of GONG instrument</i>
Craig DeForest	<i>Polarimeter to UNify the Corona and Heliosphere (PUNCH): Mission status and science update</i>
George Miloshevich	<i>Inverse cascade and magnetic vortices in kinetic Alfvén-wave turbulence</i>
Gordon J. Koehn	<i>Sun-to-Earth modelling of CME-CME interactions: How to create a perfect storm?</i>
Luca Giovannelli	<i>Sun CubE OnE: A Multi-wavelength Synoptic Solar Micro Satellite</i>
David Orozco Suárez	<i>CMAG: A Coronal MAGnetograph mission for studying the inner corona magnetic fields</i>
Sachin Reddy	<i>Predicting equatorial plasma bubbles with a random forest classifier</i>
Antony Soosaleon	<i>Limits of Coronal Abundances</i>
Tina Zhou	<i>Using Machine Learning to pre-prune ensembles of magnetogram synoptic maps.</i>
David Barnes	<i>Assessment and Validation of Daily Enlil and EUHFORIA Simulations During 2019–2021</i>