Session Program

7–11 Dec 2026



26th Australian Institute of Physics Congress and the Australian and New Zealand Conference on Optics and Photonics

AIP STSP: Solar Terrestrial and Space Physics 2

The University of Sydney , Belinda Hutchinson Building
Abercrombie St & Codrington St NSW 2008

Wednesday 9 December

16:00

AIP STSP: Solar Terrestrial and Space Physics 2

Session |
Location: The University of Sydney , Belinda Hutchinson Building, Abercrombie St & Codrington St NSW 2008

16:00–16:15 **Interfacial Plasma Chemistry: from Origin of Life to Green Synthesis**

Speaker
Haihui Joy Jiang

16:15–16:30
A Solar Vacuum Ultraviolet Source for Space Environment Simulations

Speaker
Josef Richmond

16:30–16:45 **Data-Driven Numerical Modelling of Space Weather Drivers**

Speaker
Dr Axel Raboonik

16:45–17:00
Modelling orbital state uncertainty evolution using adaptive multifidelity Gaussian mixture corrected Monte Carlo

Speaker
Joel Younger

17:00–17:15 **A novel pulsed plasma ablative thruster for space applications**

Speaker
Mr Julian Whichello

17:15–17:30
Force Measurements of Electric Sails in Ground Based Plasma Experiments

Speaker
Lachlan Goulden

17:30