

## **Session Program**

**30 November 2025 to 5 December 2025**



**AIP summer meeting 2025**

***Solar Terrestrial and Space Physics***

Building 40, Hope Theatre  
University of Wollongong Northfields Avenue Wollongong NSW 2522

## Tuesday 2 December

16:30

### Solar Terrestrial and Space Physics

**Session** |**Location:** Building 40, Hope Theatre, University of Wollongong Northfields Avenue Wollongong NSW 2522 |**Convener:** Prof. Trevor Harris

16:30–17:00

#### Physics of impact events across terrestrial and planetary surfaces

**Speaker**

Katarina Miljkovic

17:00–17:15

#### Unveiling the Solar Nexus: An Interdisciplinary Inquiry into the Dynamics of Our Star

**Speaker**

Amritpal Singh Nafria

17:15–17:30

#### Simulating a Wavefront Sensing Hybrid Mode-Selective Photonic Lantern

**Speaker**

Justin Vella

17:30–17:45

#### A Machine Learning Framework for Building a Refined GOES Flare Catalog

**Speaker**

Nastaran Farhang

17:45–18:00

#### Data-driven flux emergence with Athena++: comparison of boundary driving strategies

**Speaker**

Kyriakos Tapinou

18:00–18:15

#### Interstellar lightsails: enhancing asymptotic stability through optimised metasurface design

**Speaker**

Jadon Lin

18:30