Session Program

7–11 Dec 2026



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

AIP ASTRO - ANZCOP Joint Session

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

Thursday 10 December

16:30

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

16:30–16:45 **Differentiable Simulation in Astronomy and Optics**

Speaker
Benjamin Pope

16:45–17:00
SpecML: A Self-Supervised Foundational Model for Interpreting Galaxy Spectrum used on High z Source Classification and Galaxy Property Estimations

Speaker
Carmen Martinez Harris

17:00–17:15 **Phase stabilised long baseline astronomical optical interferometry**

Speaker
Joshua Collier

17:15–17:30
Towards an astronomical interferometer with 1 microarsecond resolution

Speaker
David Gozzard

17:30–17:45
Spatial mode demultiplexing for astronomy beyond the diffraction limit

Speaker
John Wallis

17:45–18:00 **GLINT: the black magic of nulling interferometry**

Speaker
Matteo Colombo

18:00