Session Program

7–11 Dec 2026



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

AIP ATMOP: Clocks, Sensors and Symmetry Tests

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

Monday 7 December

14:00

AIP ATMOP: Clocks, Sensors and Symmetry Tests

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

14:00–14:30

Theoretical and Practical Developments of a Compact, Efficient Dual-Colour Two-Photon Rubidium Optical Frequency Standard

Speaker
Dr Sarah Scholten

14:30–14:45

An Atomtronic Toolbox for Josephson Physics

Speaker
Dr Kaih Mitchell

14:45–15:00

Magnetometry using Four Wave Mixing of Sodium Vapour

Speaker
Taylor Christie

15:00–15:15

Field Validations of Quantum-Enabled Navigation on Dynamic, Real-World Platforms

Speaker
Stuart Szigeti

15:15–15:30

Tabletop particle physics with BaOH: Molecular structure theory for next-gen precision measurements of time-reversal symmetry violation

Speaker
Jack Easton

15:30