Session Program

7–11 Dec 2026



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

ANZCOP: Quantum Sensing & Metrology

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

Thursday 10 December

16:30

ANZCOP: Quantum Sensing & Metrology

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

16:30–17:00 **Quantum Squeezing using Self-Induced Transparency**

Speaker
Joel Corney

17:00–17:15

Quantum Circuit Fragments and Link Products in Continuous Variables

Speaker
Amalina Lai

17:15–17:30

Demonstrating a spin dependent force to push a 128mg levitated diamond towards quantum sensing and generating macroscopic quantum superpositions

Speaker
Jason Twamley

17:30–17:45

Ultimate sensitivity of multiparameter estimation in quantum sensing with undetected photons

Speaker
Sanjeet Swaroop Panda

17:45–18:00

Non-Gaussian Photon Correlations in Weakly Coupled Atomic Ensembles

Speaker
Yangming Wang

18:00