Session Program

7–11 Dec 2026



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

ANZCOP: Photonic AI & Neuromorphic Computing

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

Wednesday 9 December

16:00

ANZCOP: Photonic AI & Neuromorphic Computing

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

16:00–16:30

Möbius Resonators: Engineering Geometric Phase and Chirality in Twisted Microwave Cavities

Speaker
Jeremy Bourhill

16:30–16:45

Purcell-enhanced emission from single erbium ions in silicon nanophotonic cavities

Speaker
Alexey Lyasota

16:45–17:00

Engineering Phonon Isolation in SOI Superconducting Qubits for Radiation-Resilient Quantum Hardware

Speaker
Divita Gautam

17:00–17:15

Towards Programmable Photonic Linear Transforms via Cascaded LNOI Ring Resonators

Speaker
Kok-Wei Bong

17:15–17:30

Dissipation engineering in parametrically coupled Surface Acoustic Waves

Speaker
Pasquale Scarlino

17:30