Session Program

6–11 Dec 2026



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

ANZCOP: Quantum Information and Algorithms

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

Tuesday 8 December

11:00

ANZCOP: Quantum Information and Algorithms

Session |
Location: The University of Sydney , Belinda Hutchinson Building, Abercrombie St & Codrington St NSW 2008 |
Convener: Simon J.U. White

11:00–11:30

Ion Concentration and Voltage Imaging with Fluorescent Nanodiamonds

Speaker
Philipp Reineck

11:30–11:45

From Ab Initio Material Hamiltonians to Explicit Fault-Tolerant Quantum Circuits

Speaker
Daniel Collins

11:45–12:00

Large anomalous shifts of Feshbach resonances in 39K

Speaker
Mr Mohammed Bouras

12:00–12:15

Gaussian Boson Sampling on quantum microprocessor for Equity Network Analysis

Speaker
Tian CHEN

12:15–12:30

Near-Optimal Parameter Tuning of Level-1 QAOA for Ising Models

Speaker
V Vijendran

12:30