Session Program

7–11 Dec 2026



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

AIP CMM: Quantum systems

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

Thursday 10 December

11:00

AIP CMM: Quantum systems

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

11:30–11:45

Deterministic Single-Electron Trapping on Solid Neon Using Engineered Dielectric Surface Geometry

Speaker
Kundan Kawdu Surse

11:45–12:00

Ion Transport Mechanisms in Disordered Electrolytes: A Unified Framework from Nanoscale Thermodynamics

Speaker
Xinkai Sun

12:00–12:15

Learning Performance of Noise-Assisted Quantum Reservoir Computing

Speaker
Jonas Freiheit

12:15–12:30 **Optomechanical dissipative soliton collider**

Speaker
Nicole Luu

12:30