Session Program

6–11 Dec 2026



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

AIP Focus Session: Next Generation Quantum Computer Hardware

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

Tuesday 8 December

14:15

AIP Focus Session: Next Generation Quantum Computer Hardware

Session |
Location: The University of Sydney , Belinda Hutchinson Building, Abercrombie St & Codrington St NSW 2008 |
Conveners: Maja Cassidy, Andrew Doherty

14:15–14:45

Integrating high-dimensional donor atoms and quantum dots in silicon for quantum error correction

Speaker
Andrea Morello

14:45–15:15

Heterogeneous architectures for quantum computers via optical interconnects

Speaker
Rose Ahlefeldt

15:15–15:45

Progress on the generation, distribution, and verification of entangled quantum states of light

Speaker
Nora Tischler

15:45