Session Program

7–11 Dec 2026



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

AIP QST: Quantum machine learning

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

Monday 7 December

15:45

AIP QST: Quantum machine learning

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

15:45–16:15 **Photonic Quantum-Accelerated Machine Learning**

Speaker
Andrew White

16:15–16:30

A hardware efficient quantum residual neural network without post-selection

Speaker
Akib Karim

16:30–16:45

Designing Noise-Robust CNOTs for Variational Quantum Classifiers using Optimal Quantum Control Techniques

Speaker
Dr Eromanga Adermann

16:45–17:00 **Continuous-Variable Quantum Learning with Squeezed States**

Speaker
Angela Anna Baiju

17:00–17:15

Selective quantum error correction on non-Clifford operations in quantum machine learning

Speaker
Dylan O'Donoghue

17:15