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 Integration & Fabrication

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

Friday 11 December

09:00

ANZCOP: Photonic Integration & Fabrication

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

09:00–09:30 **Inverse-designed silicon nitride photonics for neural stimulation**

Speaker
Dr Stefano Palomba

09:30–09:45

Improving inverse-designed transverse mode (de)multiplexers using machine learning interpretability

Speaker
Airin Antony

09:45–10:00

Excitation of parametrically driven cavity solitons in dispersive Kerr resonators via detuning scans

Speaker
Benjamin Haenraets

10:00–10:15

Multi-wavelength polarisation imaging with inverse designed metasurfaces

Speaker
Sarah E. Dean

10:15–10:30 **Towards photonic circuits in isotopically enriched Silicon on Insulator**

Speaker
Yanan Xu

10:30