Session Program

7–11 Dec 2026



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

ANZCOP: Raman Lasers & Nonlinear Frequency Conversion

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

Thursday 10 December

11:00

ANZCOP: Raman Lasers & Nonlinear Frequency Conversion

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

11:00–11:30 **Extreme linewidth narrowing in diamond Raman lasers**

Speaker
Osama Terra

11:30–11:45

Tunable idler wave generation via switching wave linear-wave interactions in a pulsed-driven fibre resonator

Speaker
Yiqing Xu

11:45–12:00

Power and frequency transfer dynamics of a multi-wavelength pumped thulium fiber amplifier for orthogonalised control

Speaker
Lucas Kemperman

12:00–12:15 **Pump noise transfer in doubly resonant Raman laser**

Speaker
Bipin Kumar

12:15–12:30

Building a ultra-high power photoneutralization cavity for enabling fusion energy

Speaker
Craig Cahillane

12:30