Session Program

7–11 Dec 2026



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

ANZCOP: Fibre, Distributed & Remote Sensing

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

Thursday 10 December

16:30

ANZCOP: Fibre, Distributed & Remote Sensing

Session |
Location: The University of Sydney , Belinda Hutchinson Building, Abercrombie St & Codrington St NSW 2008 |
Convener: Sergio Leon-Saval

16:30–17:00

Fibre-integrated optomechanical magnetometry demonstrating sub-picotesla sensitivity

Speaker
David John

17:00–17:15

The Fast and the Fibrillar: Polarisation Sensitive OCT and Raman Spectroscopy Based Mechanical Testing of Cartilage to Detect Degeneration

Speaker
Mr Darven Murali Tharan

17:15–17:30

Pseudo-random Frequency Shift Encoding Scheme for Distributed Acoustic Sensing

Speaker
Keshu Huang

17:30–17:45

Field Validation of Laser-Written Fibre Bragg Grating Humidity Sensors in a Wastewater Odour Control Unit

Speaker
Dr Martin Ams

17:45–18:00

Broadband Nanocavity Imaging for Rapid Screening of Genetic Biomarkers

Speaker
Yu-Cheng Chen

18:00