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: Optomechanics and beyond: coupling fields to mechanical motion, from interstellar sails to single-spin control

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

Tuesday 8 December

14:15

AIP Focus Session: Optomechanics and beyond: coupling fields to mechanical motion, from interstellar sails to single-spin control

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

14:20–14:50

Toward quantum science and technology with Brillouin-Mandelstam scattering

Speaker
Michael Vanner

14:50–15:02

Exponential stretching from a radiation-pressure induced non-Hermitian skin effect

Speaker
Jadon Lin

15:02–15:14

High-Sensitivity Quadratic Displacement Measurement via Microwave Coupling to a Symmetric Split-Post Resonator

Speaker
sonali parashar

15:15–15:27

Megahertz Optical Levitation of a Nanomechanical Oscillator

Speaker
Angus King

15:27–15:39

Coupling nuclear spins to mechanical motion

Speaker
Laura O'Neill

15:45