Session Program

6–11 Dec 2026



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

COMMAD: Photovoltaic Devices and Materials

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

Thursday 10 December

11:00

COMMAD: Photovoltaic Devices and Materials

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

11:00–11:30

Optical probes of 2D perovskites and perovskite-inspired semiconductors

Speaker
Laura Herz

11:30–11:45

The Physical Limits of Solar Power

Speaker
Ned Ekins-Daukes

11:45–12:00

Silicon Nanowire-Enabled Low-Temperature Flexible Crystalline Silicon Hybrid Solar Cells

Speaker
Deepak Sharma

12:00–12:15

Spectrum Shifting Superstrates for More Efficient Solar Cells

Speaker
Kalyen Goymour

12:15–12:30

End-to-End Machine Learning Framework for Rapid Spectrum-Adaptive Photovoltaic Cell Design

Speaker
Xiawa Wang

12:30