Session Program

6–11 Dec 2026



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

COMMAD: Silicon and SiC Devices and Characterisation

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

Tuesday 8 December

16:30

COMMAD: Silicon and SiC Devices and Characterisation

Session |
Location: The University of Sydney , Belinda Hutchinson Building, Abercrombie St & Codrington St NSW 2008 |
Convener: Dr Stephen Bremner

16:30–17:00

Keep it Simple: Development of Ion-Implantation Free Silicon Carbide Power Schottky Diodes with High Performance

Speaker
Jordan Nicholls

17:00–17:15

Photo-Induced Current Transient Spectroscopy of Defects in Ion Implanted High-Resistivity Silicon

Speaker
Awsaf AlSulami

17:15–17:30

Electrically Detected Magnetic Resonance Characterisation of the Silicon Spin Environment

Speaker
Nicholas Collins

17:30–17:45

Surface, Doping and Temperature Control of Hydrogen Charge States, Diffusion and Boron Deactivation in Silicon

Speaker
Riley Fittock

17:45–18:00

A pathway for opto-electronic circuits on (porous) silicon

Speaker
Adrian Keating

18:00