

Session Program

11-16 Dec 2022



24th Australian Institute of Physics Congress

Joint session: AIP-BMP / COMMAD

Friday 16 December

09:00

Joint session: AIP-BMP / COMMAD: COMMAD/BMP - Biomedical Nanoelectronics and Photonics

Session | **Location:** Adelaide Convention Centre, Room R7 | **Convener:** Jiawen Li

09:00–09:15

Engineering of Plasmonic Nanomaterials for Surface-enhanced Raman Scattering-based in vitro Cancer Diagnosis

Speaker

Prof. Yuling Wang

09:15–09:30

Fluorescence-based Fibre Optic Sensor for Hydrogen Sulphide Detection

Speaker

Shaghayegh Baghapour

09:30–09:45

Modelling laser interaction with retinal tissue at the cellular level

Speaker

Ms Linh Thai Dieu Truong

09:45–10:00

Nitrogen-doped ultrananocrystalline diamond electrodes for photostimulation of human mesenchymal stem cells

Speaker

Mr Andre Chambers

10:00–10:15

Semiconducting Polymer Nanoparticles: Enabling A New Frontier in Bioelectronic Neural Interfacing

Speaker

Matthew James Griffith

10:15–10:30

Semiconducting Polymer X-ray Detectors with Non-Fullerene Acceptors for Enhanced Stability: Towards Printable, Flexible, and Tissue Equivalent Devices

Speaker

Jessie Ann Posar

10:30