

## **Session Program**

**11-16 Dec 2022**



**24th Australian Institute of Physics Congress**  
***AIP: Computational and Mathematical Physics***

## Tuesday 13 December

16:00

### AIP: Computational and Mathematical Physics: CMP

**Session** | **Location:** Adelaide Convention Centre, Room R4 | **Convener:** Glen Harris

16:00–16:15

#### Autonomous Nanomechanical Error Correction

**Speaker**

Xiaoya Jin

16:15–16:30

#### Bayesian Neural Networks for the Predictions of the Properties of Millions of Novel 2-Dimensional Hetero-structures

**Speaker**

Marco Fronzi

16:30–16:45

#### Enhanced screening in polymer melts with periodic boundary conditions

**Speaker**

Nathan Clisby

16:45–17:00

#### Exotic superfluids in multi-component homogeneous Bose-Einstein condensates

**Speaker**

Matthew Edmonds

17:00–17:15

#### Electron Energy Deposition in Molecular Hydrogen: A Monte Carlo Simulation Using Accurate Cross Sections

**Speaker**

Reese Horton

17:30