

24th Australian Institute of Physics Congress

Monday 12 December 2022

Plenary: Plenary 1 - Plenary Halls A/C (09:00 - 10:30)

-Conveners: Irina Kabakova

time	[id] title	presenter
09:00	[857] From Nonlinear Optics to High-Intensity Laser Physics	Prof. STRICKLAND, Donna
09:45	[858] Quantum sensing and imaging with diamond spins	Prof. BLESZYNSKI JAYICH, Ania

Tuesday 13 December 2022

Plenary: Plenary 2 - Plenary Halls A/C (09:00 - 10:30)

-Conveners: Warwick Bowen

time	[id] title	presenter
09:00	[859] Silicon Photonic Quantum Computing – Towards Large-scale Systems	Prof. O'BRIEN, Jeremy
09:45	[860] From Quantum in Pictures to practical Natural Language Processing, Music, and understandable AI	Prof. COECKE, Bob

Wednesday 14 December 2022

Plenary: Plenary 3 - Plenary Halls A/C (09:45 - 10:30)

-Conveners: Anthony Thomas

time	[id] title	presenter
09:45	[846] Neutron stars and gravitational waves in the context of modern nuclear physics theory	Prof. STONE, Jirina

Thursday 15 December 2022

Plenary: Plenary 4 - Plenary Halls A/C (09:00 - 10:30)

-Conveners: David McClelland

time	[id] title	presenter
09:00	[862] Educational Transformation at a Critical Time: The essential roles and promise of physicists	Prof. FINKELSTEIN, Noah
09:45	[861] The Coming Decade of Gravitational wave detection and astronomy	Prof. ADHIKARI, Rana

Friday 16 December 2022

Plenary: Plenary 5 - Plenary Halls A/C (11:00 - 12:30)

-Conveners: Nicole Bell

time	[id] title	presenter
11:00	[864] Applications of nanophotonics — from bright colours to nanometrology and energy conversion	MAIER, Stefan A.
11:45	[865] Where Next in the Search for Dark Matter?	SLATYER, Tracy