

THE AUSTRALIAN INSTITUTE OF PHYSICS 2024 CONGRESS

CO-LOCATING WITH NFO-17, ANZCOP & COMMAD
MELBOURNE CONVENTION & EXHIBITION CENTRE



Program Timetable

Time	Sunday 1 December 2024	Monday 2 December 2024	Tuesday 3 December 2024	Wednesday 4 December 2024	Thursday 5 December 2024	Friday 6 December 2024
0800 - 0830		Registration Opens	Breakfast Session	Breakfast Session		NFO Summer School
0830 - 0900		Welcome to Country, Opening & Plenary Session	Program Sessions	Program Sessions	Program Sessions	
0900 - 0930						
0930 - 1000						
1000 - 1030		Morning Tea	Morning Tea	Morning Tea	Morning Tea	
1030 - 1100		Program Sessions	Program Sessions	Program Sessions	Program Sessions	
1100 - 1130						
1130 - 1200		Lunch	Lunch	Lunch	Lunch	
1200 - 1230						
1230 - 1300		Plenary & Program Sessions	Plenary & Program Sessions	Plenary & Program Sessions	Plenary & Program Sessions	
1300 - 1330						
1330 - 1400						
1400 - 1430		Afternoon Tea & Poster Session I	Afternoon Tea	Afternoon Tea & Poster Session II	Afternoon Tea	
1430 - 1500						
1500 - 1530		Plenary & Program Sessions	Plenary & Program Sessions	Plenary & Program Sessions	Plenary & Program Sessions	
1530 - 1600						
1600 - 1630	Registration Opens	Plenary & Program Sessions	Plenary & Program Sessions	Plenary & Program Sessions	Plenary & Program Sessions	
1630 - 1700						
1700 - 1730		Welcome Reception 1800 - 2000	Public Lecture 1900 - 2000	Congress Dinner 1900 - 2200	Closing Ceremony	
1730 - 1800						
1800 - 1830						
1830 - 1900						
1900 - 1930						
1930 - 2000						
2000 - 2030						

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Day 0
Sunday 1 December 2024

Time	Program
1700 - 2000	Registration Open
1800 - 2000	Welcome Reception

Join us for an evening welcome reception at the MCEC.

Collect your name badge and start by reconnecting with colleagues and making new connections in a relaxed atmosphere!

Venue: Melbourne Convention and Exhibition Centre (MCEC)

Congress Program subject to change.

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Day 1
Monday 2 December 2024

Time	Program Item
0830 - 0900	Welcome to Country & Opening Ceremony
0900 - 1030	Plenary Session
1030 - 1100	Morning Tea
1100 - 1230	Concurrent sessions

Themes

Astroparticle Physics
Atomic and Molecular Physics
Condensed Matter and Materials
Nuclear and Particle Physics
Physics Education
Quantum Science and Technology
Solar Terrestrial and Space Physics
Theoretical Physics
Near-Field Optics, Nanophotonics and Related Techniques (NFO)
The 2024 Conference on Optoelectronic and Microelectronic Materials and Devices (COMMAD)
The 2024 Australian and New Zealand Conference on Optics and Photonics (ANZCOP)
Australasian Society for General Relativity and Gravitation

1230 - 1330	Lunch
1330 - 1415	Plenary Session
1430 - 1600	Concurrent sessions

Themes

Astroparticle Physics
Atomic and Molecular Physics
Condensed Matter and Materials
Nuclear and Particle Physics
Physics Education
Quantum Science and Technology
Solar Terrestrial and Space Physics
Theoretical Physics
Near-Field Optics, Nanophotonics and Related Techniques (NFO)
The 2024 Conference on Optoelectronic and Microelectronic Materials and Devices (COMMAD)
The 2024 Australian and New Zealand Conference on Optics and Photonics (ANZCOP)
Australasian Society for General Relativity and Gravitation

1600 - 1700 Afternoon Tea & Poster Session I

1700 - 1830 **Concurrent sessions**

Themes

Astroparticle Physics
Atomic and Molecular Physics
Condensed Matter and Materials
Nuclear and Particle Physics
Physics Education
Quantum Science and Technology
Solar Terrestrial and Space Physics
Theoretical Physics
Near-Field Optics, Nanophotonics and Related Techniques (NFO)
The 2024 Conference on Optoelectronic and Microelectronic Materials and Devices (COMMAD)
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Day 2
Tuesday 3 December 2024

Time	Program Item
0800 - 0900	De-GAP Breakfast <i>This breakfast session has limited spaces.</i>
0900 - 1030	Plenary Session
1030 - 1100	Morning Tea
1100 - 1230	Concurrent sessions

Themes

Astroparticle Physics
Atomic and Molecular Physics
Condensed Matter and Materials
Nuclear and Particle Physics
Physics Education
Quantum Science and Technology
Solar Terrestrial and Space Physics
Theoretical Physics
Near-Field Optics, Nanophotonics and Related Techniques (NFO)
The 2024 Conference on Optoelectronic and Microelectronic Materials and Devices (COMMAD)
The 2024 Australian and New Zealand Conference on Optics and Photonics (ANZCOP)
Australasian Society for General Relativity and Gravitation

1230 - 1400	Lunch
1400 - 1445	Plenary Session
1500 - 1600	Concurrent sessions

Themes

Astroparticle Physics
Atomic and Molecular Physics
Condensed Matter and Materials
Nuclear and Particle Physics
Physics Education
Quantum Science and Technology
Solar Terrestrial and Space Physics
Theoretical Physics
Near-Field Optics, Nanophotonics and Related Techniques (NFO)
The 2024 Conference on Optoelectronic and Microelectronic Materials and Devices (COMMAD)
The 2024 Australian and New Zealand Conference on Optics and Photonics (ANZCOP)
Australasian Society for General Relativity and Gravitation

1600 - 1630 Afternoon Tea

1630 - 1800 Concurrent sessions

Themes

Astroparticle Physics
Atomic and Molecular Physics
Condensed Matter and Materials
Nuclear and Particle Physics
Physics Education
Quantum Science and Technology
Solar Terrestrial and Space Physics
Theoretical Physics
Near-Field Optics, Nanophotonics and Related Techniques (NFO)
The 2024 Conference on Optoelectronic and Microelectronic Materials and Devices (COMMAD)
The 2024 Australian and New Zealand Conference on Optics and Photonics (ANZCOP)
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1900 - 2000 Public Lecture

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Day 3 Wednesday 4 December 2024

Time	Program Item
0800 - 0900	VicPhys Breakfast session <i>This breakfast session has limited spaces.</i>
0900 - 1030	Plenary Session
1030 - 1100	Morning Tea
1100 - 1230	Concurrent sessions
Themes	<ul style="list-style-type: none"> <i>Astroparticle Physics</i> <i>Atomic and Molecular Physics</i> <i>Condensed Matter and Materials</i> <i>Nuclear and Particle Physics</i> <i>Physics Education</i> <i>Quantum Science and Technology</i> <i>Solar Terrestrial and Space Physics</i> <i>Theoretical Physics</i> <i>Near-Field Optics, Nanophotonics and Related Techniques (NFO)</i> <i>The 2024 Conference on Optoelectronic and Microelectronic Materials and Devices (COMMAD)</i> <i>The 2024 Australian and New Zealand Conference on Optics and Photonics (ANZCOP)</i> <i>Australasian Society for General Relativity and Gravitation</i>
1230 - 1330	Lunch
1330 - 1415	Plenary Session
1430 - 1600	Concurrent sessions

Themes

Astroparticle Physics
Atomic and Molecular Physics
Condensed Matter and Materials
Nuclear and Particle Physics
Physics Education
Quantum Science and Technology
Solar Terrestrial and Space Physics
Theoretical Physics
Near-Field Optics, Nanophotonics and Related Techniques (NFO)
The 2024 Conference on Optoelectronic and Microelectronic Materials and Devices (COMMAD)
The 2024 Australian and New Zealand Conference on Optics and Photonics (ANZCOP)
Australasian Society for General Relativity and Gravitation

1600 - 1700 Afternoon Tea & Poster Session II

1700 - 1800 Concurrent sessions

Themes

Astroparticle Physics
Atomic and Molecular Physics
Condensed Matter and Materials
Nuclear and Particle Physics
Physics Education
Quantum Science and Technology
Solar Terrestrial and Space Physics
Theoretical Physics
Near-Field Optics, Nanophotonics and Related Techniques (NFO)
The 2024 Conference on Optoelectronic and Microelectronic Materials and Devices (COMMAD)
The 2024 Australian and New Zealand Conference on Optics and Photonics (ANZCOP)
Australasian Society for General Relativity and Gravitation

Venue Olympic Room, Melbourne Cricket Ground

1900 - 2200

AIP 2024 Congress Dinner
Please note that this is a ticketed social function, and places are limited.

Congress Program subject to change.

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Day 4
Thursday 5 December 2024

Time	Program Item
0900 - 1030	Plenary Session
1030 - 1100	Morning Tea
1100 - 1230	Concurrent sessions

Theme

Astroparticle Physics
Atomic and Molecular Physics
Condensed Matter and Materials
Nuclear and Particle Physics
Physics Education
Quantum Science and Technology
Solar Terrestrial and Space Physics
Theoretical Physics
Near-Field Optics, Nanophotonics and Related Techniques (NFO)
The 2024 Conference on Optoelectronic and Microelectronic Materials and Devices (COMMAD)
The 2024 Australian and New Zealand Conference on Optics and Photonics (ANZCOP)
Australasian Society for General Relativity and Gravitation

1230 - 1400	Lunch
1400 - 1445	Plenary Session
1500 - 1600	Concurrent Sessions

Themes

Astroparticle Physics
Atomic and Molecular Physics
Condensed Matter and Materials
Nuclear and Particle Physics
Physics Education
Quantum Science and Technology
Solar Terrestrial and Space Physics
Theoretical Physics
Near-Field Optics, Nanophotonics and Related Techniques (NFO)
The 2024 Conference on Optoelectronic and Microelectronic Materials and Devices (COMMAD)
The 2024 Australian and New Zealand Conference on Optics and Photonics (ANZCOP)
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1630 - 1800 Concurrent Session

Themes

Astroparticle Physics
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1800 - 1830 Closing Ceremony

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Day 5
Friday 6 December 2024

Time	Program
0900 - 1700	NFO Summer School

Details of the NFO Summer School will be available shortly.

For further information on the Congress, visit www.aipcongress2024.com

Congress Program subject to change.