

**ARPS 2024  
PROGRAM v4 (26/9/24)**

<b>SUNDAY 20 OCTOBER 2024</b>		
1400 – 1700	Exhibitors bump in	
1800 – 2000	Welcome reception	
<b>MONDAY 21 OCTOBER 2024</b>		
0730 - 0815	“Women in Radiation” – morning walk	
0800 – 1700	Registration Desk Opens	
0800 – 1545	Speaker Room opens	
0800 – 1545	Exhibition opens	
	<b>Plenary Session 1</b>	
0900 – 0915	<b>Convenor Opening Comments &amp; Welcome</b>	
0915 – 1030	<b>Keynote Address (1)</b> Dr Gillian Hirth, Chief Executive Officer – ARPANSA Followed by Q&A	
1030 – 1100	<i>Morning Refreshments &amp; Trade Exhibition</i>	
1100 – 1220	<b>Concurrent Session 1.1</b> <b>Theme: Public and Environment 1</b> <i>Chair:</i>	<b>Concurrent Session 1.2</b> <b>Theme: Radiation Protection Culture</b> <i>Chair:</i>
1100 – 1120	Developing an ARPANSA framework for radiation monitoring, measurement, and assessment in the Australian environment. Dr Adrian Hawley, ARPANSA	Diversity, Equity, Inclusion and Belonging in the Nuclear Industry. Mr Darren McPherson, ANSTO
1120 – 1140	Western Australia Environmental Monitoring Working Group Activities.	Consultation to 360 Engagement: Moving into the 21st Century. Mr Cameron Jeffries, SA Medical Imaging

	Mr James De Corrado, ARPANSA	
1140 – 1200	UNSCEAR Evaluation of Public Exposure to Ionizing Radiation. Dr Cameron Lawrence, ARPANSA	Transforming Radiation Safety: Harnessing 3D Motion Capture for Holistic Ergonomic Solutions. Ms Rhiarn Hoban, ANSTO
1200 – 1220	Exposure to Naturally Occurring Radon in the Workplace - A Guidance Document. Ms Emma Barnes, ARPANSA	The ARPS Journal and Newsletter: The History, the future and submitting to the journal. Mr William Bartolo, Bartolo Safety Management Service
1220 – 1320	<i>Lunch &amp; Trade Exhibition</i>	
<b>Plenary Session 2</b>		
1320 – 1405	<b>Keynote Address (2)</b> Helen Cassidy, Manager – Operations & Inventory, Australian Radioactive Waste Agency	
1410 – 1510	<b>Concurrent Session 2.1</b> <b>Theme: Future Developments &amp; Challenges 1</b> <i>Chair:</i>	<b>Concurrent Session 2.2</b> <b>Theme: Education</b> <i>Chair:</i>
1410 – 1430	It's a Long Way to the Shop if You Want a Sausage Roll. Mr Cameron Jeffries, SA Medical Imaging	Tools of the Trade – Enhancing Education in Radiation Protection Instrumentation for the Trainee Health Physics Surveyor. Mrs Melanie Hulskamp, ANSTO
1430 – 1450	Radiation Harmonisation at IRPA16 - Main Themes and Outcomes. Dr Amy Macintosh, ARPANSA	Introduction to Gamma Spectrometry as part of the ANSTO Health Physics Core Competency in Radiation Detection and Measurement. Mr Liam Brophy, ANSTO
1450 – 1510	Updating the ANRDR: keeping ahead of Australia's expanding radiation industry. Dr Cameron Lawrence, ARPANSA	Spinning Science: Harnessing Play-Based Learning in Science literacy education. Mrs Henriette Rossouw, Maniacs Learn Through Play
1510 – 1540	<i>Afternoon Refreshments &amp; Trade Exhibition</i>	
1540 - 1640	<b>Concurrent Session 3.1</b> <b>Theme: Future Developments &amp; Challenges 2</b> <i>Chair:</i>	<b>Concurrent Session 3.2</b> <b>Theme: NORM 1</b> <i>Chair:</i>

1540 – 1600	An Overview of the activities at the Centre for Radiation Research, Education and Innovation at the University of Adelaide. Professor Antony Hooker, Centre for Radiation Research, Education and Innovation, University of Adelaide	Radiation Accounting: Insights from an Australian Mineral Laboratory. Mrs Lisa Allen, Nagrom
1600 – 1620	Radiocesium accumulation in wild animals from Fukushima, with radiation doses to human consumers Donovan Anderson, Institute of Radiation Emergency Medicine, Hirosaki University, Japan	Radon ( <sup>222</sup> Rn) exhalation from petroleum processing products. Dr Riaz Akber, Safe Radiation
1620 – 1640	Advancements and Challenges in Absorbed Radiation Dose Assessment: A Capability Analysis of Biodosimetry in Australia Jonathan Sentzas, ARPANSA	Environmental scan of global aquatic dispersion models: Enhancing ARPANSA's capabilities for predicting transport from radiological releases. Dr Amy Macintosh, ARPANSA
	<b>ARPS AGM</b>	
1645 - 1745	<b>ARPS AGM</b>	
	<b>Young Generation Network Event</b>	
1800	Young Generation Network Dinner. Venue TBA – Meet in Foyer	

## TUESDAY 22 OCTOBER 2024

0730 – 1700	Registration Desk Opens	
0845 – 1600	Speaker Room opens	
0915 – 1520	Exhibition opens	
0715 – 0845	<b>Breakfast Workshop (Registration required) - Radiological Emergency Workshop</b>	
	<b>Plenary Session 3</b>	
0900 – 0905	<b>Welcome to Day 2</b>	
0905 – 1005	<b>Boyce Worthley Oration</b> Associate Professor Lee Collins	
1005 – 1040	<i>Morning Refreshments &amp; Trade Exhibition</i>	
	<b>Plenary Session 4</b>	
1040 – 1125	<b>Keynote Address (3)</b> Dr Scott O. Schwahn, Senior Health Physicist – Oak Ridge Laboratory	
1130 - 1230	<b>Concurrent Session 4.1</b> <b>Theme: Public and Environment 2</b> <i>Chair:</i>	<b>Concurrent Session 4.2</b> <b>Theme: Medical</b> <i>Chair:</i>
1130 – 1150	Radiating Expertise. Mrs Nikki Keighran, ANSTO	The Big Banana Equivalent Dose: A Personal Perspective on Radiation Risk Communication in Medical Imaging. Dr Jennifer Diffey, Hunter New England Imaging
1150 – 1210	New Australian Codes for Radiation Gauges and Well Logging. Mr Brendan Tate, ARPANSA	Radiation Measurement and Protection Challenges Associated with 212Pb for Targeted Alpha Therapy.

		Mr Drew Watson, Dept of Health Forensic and Scientific Services
1210 – 1230	Determining Radiological Guideline Values for Recreational Water. Miss Rachel Williams, ARPANSA	Experiences in using Monte Carlo simulation for dose calculation in radiation protection. Dr Christopher Poole, Radiation Analytics
1230 – 1330	<i>Lunch &amp; Trade Exhibition</i>	
1330 - 1445	<b>Plenary Session 5</b>	
1330 - 1415	<b>Keynote Address (4)</b> Loch Castle, Australian Submarine Agency Assistant Director General, NNP Governance Authority	
1415 - 1445	<b>Poster Session</b>	
1445 - 1515	<i>Afternoon Refreshments &amp; Trade Exhibition</i>	
1515 - 1615	<b>Concurrent Session 5.1</b> <b>Theme: Instrumentation</b> <i>Chair:</i>	<b>Concurrent Session 5.2</b> <b>Theme: Future Developments and Challenges 3</b> <i>Chair:</i>
1515 – 1535	Quality Management in a Radioanalytical Laboratory. Mr Drew Watson, Dept of Health Forensic and Scientific Services	Artificial Intelligence – Influences on Radiation Safety now and in the future. Mr Ron Rubendra, ARPS
1535 – 1555	Use of an Extrapolation Ionization Chamber for Uranium Slab Dose Measurements. Dr Scott Schwahn, Oak Ridge National Laboratory	The Effect of Radon and Radon Decay Products in the Lung of Small Animals Professor Antony Hooker, Centre for Radiation Research, Education and Innovation, University of Adelaide
1555 – 1615	Determining the radon diffusion coefficient in a waterproof material Dr Chutima Kranrod, Institute of Radiation Emergency Medicine, Hirosaki University, Japan	Voyage to Safety: Setting the Standard for Space Fission Reactor Safety in the Final Frontier. Mr Kaan Kaban, ANSTO
1900 – 2230	ARPS Conference Dinner	

## WEDNESDAY 23 OCTOBER 2024

0830 – 1630	Registration Desk Opens	
0830 – 1600	Speaker Room opens	
0830 – 1505	Exhibition opens	
0745 – 0915	<b>Breakfast Workshop (Registration required) - ARPAB</b>	
	<b>Plenary Session 6</b>	
0925 – 0930	<b>Welcome to Day 3</b>	
0930 – 1015	<b>Keynote Address (5)</b> Dr Julie McCredde, President - ORSAA	
1015 – 1050	<i>Morning Refreshments &amp; Trade Exhibition</i>	
1050 – 1210	<b>Concurrent Session 6.1</b> <b>Theme: Non-Ionising Radiation 1 (RF-EMF)</b> <i>Chair:</i>	<b>Concurrent Session 6.2</b> <b>Theme: Regulatory</b> <i>Chair:</i>
1050 – 1110	The WHO systematic reviews into RF and health: (Part I) what are they and why are they important. Associate Professor Ken Karipidis, ARPANSA	Australian Safeguards and Non-Proliferation Office (ASNO) permits to hold nuclear material—all your questions answered! Mr Peter Nolan, Australian Safeguards and Non-Proliferation Office
1110 – 1130	The WHO systematic reviews into RF and health: (Part II) what have they found. Associate Professor Ken Karipidis, ARPANSA	ANSTO Science and Technology for 21st Century RNEPR capability. Mr Joshua Reus-smit, ANSTO
1130 – 1150	Has public RF-EMF exposure in Australia changed over a decade? Dr Chhavi Raj Bhatt, ARPANSA	Revolutionising ARPANSA's Regulatory Systems: The RAD Approach. Mr Chris Nickel, ARPANSA

1150 – 1210	Does population density affect personal far-field radiofrequency–electromagnetic exposures? Findings from Gold Coast measurements. Dr Chhavi Raj Bhatt, ARPANSA	How does ARPANSA Influence and Adopt International Standards for Radiation Protection in Australia? Dr Marcus Grzechnik, ARPANSA
1210 - 1315	<i>Lunch &amp; Trade Exhibition</i>	
1315 – 1405	<b>Plenary Session 7</b> <i>Chair: Frank Harris, Rio Tinto</i>	
1315 – 1405	<b>Panel Discussion: The latest revision of the ICRP Recommendations: Are the changes fit for purpose for Australia and New Zealand?</b>	
1410 – 1455	<b>Concurrent Session 7.1</b> <b>Theme: Non-Ionising Radiation 2 (RF-EMF)</b> <i>Chair:</i>	<b>Concurrent Session 7.2</b> <b>Theme: NORM 2</b> <i>Chair:</i>
1410 – 1430	Bridging the Gap: Advancements in Online Radiofrequency Monitoring for Enhanced Environmental Surveillance. Mr Victor Leach, ORSAA	Radon Decay Product (RDP) Management in BHP Copper South Australia. Katrina Taloni, BHP
1430 – 1450	The to-date proposed biomarkers of EHS are not known/proven to be affected by RF-EMF exposures. Adjunct Professor Dariusz Leszczynski, University of Helsinki	Introduction of Norm-II Guide in the Western Australian Mining Industry. Mrs Jubin Koshy, Department of Energy, Mines, Industry Regulation and Safety
1450 – 1510	The Importance of Being Uncertainty-Aware in Electromagnetic Measurements. Mr Simon Turner, Sensaweb	Gravimetric Field Estimation of Radioactivity in Soils at a NORM Impacted Site. Mr Matthew Crow, Environmental Resources Management Australia Pty Ltd
1510 – 1530	<i>Afternoon Refreshments &amp; Trade Exhibition</i>	
1530 – 1600	<b>Awards Presentation</b> <b>Closing remarks and Conference Close</b>	

**THURSDAY 24 OCTOBER 2024**

0845 – 1300

**Radon Symposium**

*The ARPS 2024 Conference reserves the right to amend or alter any advertised details relating to dates, program and speakers if necessary and without notice, as a result of circumstances beyond their control. All attempts will be made to keep any changes to an absolute minimum.*