





PROGRAM

MONDAY 7 MARCH 2022		
0800 – 1700	Registration Desk Opens	Grand Ballroom Foyer
0800 – 1545	Speaker Room opens	Boardroom
0800 – 1540	Exhibition opens Barista cart available	Grand Ballroom
	Barista Cart Sponsored by  LANDAUER	
	Plenary Session 1	Rooms 1&2
0900 – 0915	Convenor Opening Comments & Welcome Ron Rubendra, Australasian Radiation Protection Society	
0915 – 1015	Keynote Address “Safety is a Continually Emerging Property of a Dynamic System” – Implications for Nuclear Regulation and Practice? Dr Adi Paterson, Siyeva Consulting	
1015 – 1050	<i>Morning Refreshments & Trade Exhibition</i>	Grand Ballroom

	Concurrent Session 1, Rooms 1&2 Theme: Developments in Radiation Protection, Technology and Methods <i>Chair: Neha Kodwani</i>	Concurrent Session 1.1, Room 6 Theme: Communication/ Education <i>Chair: Bill Bartolo</i>
1055 – 1115	Minimal Reportable Dose and what is an acceptable level of uncertainty in Personal Dosimetry Stephen Marks, ARPANSA	RP is 75% B...S... Hefin Griffiths, ANSTO
1115 – 1135	Old and New: Internal Dosimetry Calculations with the OpenDose Calculator Erin McKay, St. George Hospital	The ARPANSA "Talk to a Scientist" Program: Radiation risk perception trends identified via our public engagement Dr Christopher Brzozek, ARPANSA
1135 – 1155	Radon in Workplaces - A New IAEA Standard Jim Hondros, JRHC	Radiological Protection Assessment of Drinking Water based on News Media Reporting Cameron Jeffries, Department of Health and Wellbeing, SA
1155 – 1215	Australian National Radiation Dose Register: Current Status and Future Direction Ben Paritsky, ARPANSA	Optimisation of radiation protection in practice: an ANSTO perspective Andrew Popp, Radiation Protection Services, ANSTO
1215 – 1235	Investigating Immunological and Respiratory Effects in a Healthy, in Vivo, Radon Inhalation Exposure Model James McEvoy-May, University of Adelaide	JRPR: A Scientific Research Journal Supported by ARPS Dr Riaz Akber, Safe Radiation
1235 – 1345	Lunch & Trade Exhibition & Posters Viewing	
		Grand Ballroom

	Concurrent Session 2, Rooms 1&2 Theme: Communication/ Education <i>Chair: Tony Mills-Thom</i>	Concurrent Session 2.1, Room 6 Theme: Mining/ Environmental <i>Chair: Mark Sonter</i>
1350 – 1410	Radiological and Nuclear Emergency Preparedness and Response Training John Bus, ANSTO	Thoron (Rn-220) and Radon (Rn-222) in Closed Space – Will Ventilation Help in Dose Reduction? Dr Riaz Akber, Safe Radiation
1410 – 1430	The Influence of Human Factors on Significant Radiological Events Hefin Griffiths, ANSTO	Challenges of Radionuclide Department in the Oil and Gas Industry Robert Blackley, ANSTO
1430 – 1450	There’s Nothing NORMAL about Training Course Development Samantha Sonter, ANSTO	The Design and Challenges of Developing a Community Based Environmental Radiation Study in Madagascar Frank Harris, Rio Tinto
1450 – 1510	Communicating Radiation & its Risks to the Public Tina Paneras, ANSTO	
1510 – 1540	<i>Afternoon Refreshments & Trade Exhibition</i>	
	Concurrent Session 3 Theme: Survey Results and ARPS Update Meeting <i>Chair: Brent Rogers</i>	Grand Ballroom
1540 – 1615	Survey Result Discussion – 2021 ARPS Members Survey - A Summary of Results Brent Rogers, ARPS & Jim Hondros, ARPS	
1630 – 1745	ARPS Update Meeting	
1800 – 1930	Welcome Reception Howling Moon & Swan and King Room Canberra Rex Hotel	



TUESDAY 8 MARCH 2022

0730 – 1700	Registration Desk Opens		Grand Ballroom Foyer
0845 - 1600	Speaker Room opens		Boardroom
0915 – 1520	Exhibition opens Barista cart available	Barista Cart Sponsored by  LANDAUER	Grand Ballroom
0800 – 0930	Breakfast Workshop (Registration required) <u>National Capacity Building in Radiation Protection</u> Dr Marcus Grzechnik, ARPANSA Chennell Allan, ARPANSA Tony Hooker (CRREI)		Room 6
	Plenary Session 2		Rooms 1&2
0945 – 0950	Welcome to Day 2 Ron Rubendra, Australasian Radiation Protection Society		
0950 – 1050	Boyce Worthley Oration Optimisation – Risk Management in Theory and Practice Dr Carl-Magnus Larsson, ARPANSA		 
1050 – 1120	<i>Morning Refreshments & Trade Exhibition</i>		Grand Ballroom
	Concurrent Session 4, Rooms 1&2 Theme: Non-Ionising Radiation <i>Chair: Asif Ahmed</i>	Concurrent Session 4.1, Room 6 Theme: Ionising Radiation <i>Chair: Prashant Maharaj</i>	
1125 – 1145	5G WIRELESS: A Radiobiological Assessment Victor Leach, Oceania Radiofrequency Scientific Advisory Association	A Selection of Fluoroscopic Imaging Hazards Dr Kent Gregory, SA Radiation Pty Ltd	
1145 – 1205	5G and Health - A Review of the Research into Low-level Millimetre Waves Asso Prof Ken Karipidis, ARPANSA	Handling High Activity Sources Robert Blackley, ANSTO	


1205 – 1225	Reality Versus Perception in the Laser Lab Dr Trevor Wheatley, University of New South Wales	Radiation Protection at Low Doses - The Time for Change Cameron Jeffries, Department of Health and Wellbeing – SA
1225 – 1325	<i>Lunch, Trade Exhibition & Posters Viewing</i>	
	Concurrent Session 5, Rooms 1&2 Theme: Ionising Radiation <i>Chair: Andrew Popp</i>	Concurrent Session 5.1, Room 6 Theme: Developments in Radiation Protection, Technology and Methods <i>Chair: Vic Leach</i>
1330 – 1350	Dose Conversion Factor Changes Dr Cameron Lawrence, ARPANSA	Use and Benefits of Gamma Imaging for Radiation Protection Nicholas Karantonis, ANSTO
1350 – 1410	UNSCEAR Work Programs and Reports Dr Cameron Lawrence, ARPANSA	Geant4 Simulations to Characterise Silicon Microdosimeters for the Radiation Protection of Astronauts in a Lunar Mission Matthew Large, University of Wollongong
1410 – 1430	SCM21: Practical Radiation Protection in A Large Industrial Shutdown Project Michael Stuckings, BHP	How Detector Geometry Effects Signal to Background Ratio in Aerial Gamma Radiation Surveys. A Study Using Geant4 and Analytical Tools Timothy Doughney, University of Adelaide
1430 – 1450	Radiation Protective Apparel: Is Testing Needed? Raihan Rasheed, Southeast Sydney Local Health District	Australia's Nuclear Forensic Science Capability Jack Goralewski, ANSTO
1450 – 1520	<i>Afternoon Refreshments & Trade Exhibition</i>	

Grand Ballroom

Grand Ballroom

	Concurrent Session 6, Rooms 1&2 Theme: Non-Ionising Radiation <i>Chair: Paula Veevers</i>	Concurrent Session 6.1, Room 6 Theme: Planned Exposure Situations, Emergency Responses <i>Chair: Hefin Griffiths</i>
1525 – 1545	The New ARPANSA Radiofrequency Exposure Standard Assoc Prof Ken Karipidis, ARPANSA	Lucas Heights Radiological Hazard Assessment and Protection Strategy Andrew Popp, Radiation Protection Services, ANSTO
1545 – 1605	Genotoxic Potential of Radiofrequency Exposures Steven Weller, Oceania Radiofrequency Scientific Advisory Association	The Unintentional Radon Chamber: Ventilation of NORM Stores Alice Jagger, SA Radiation Pty Ltd
1605 – 1625	Non-Ionising Radiation Cosmetic Devices – Treatment Applications, Risks and Current Regulation in Australia Assoc Prof Ken Karipidis, ARPANSA	Mo-99 Contamination Incident Leading to Tissue Reactions to the Hands of a Radiopharmaceuticals Manufacturing Worker Andrew Popp, Radiation Protection Services, ANSTO
1900 – 2230	ARPS Conference Dinner Rex Canberra Hotel, Rooms 1&2	 

WEDNESDAY 9 MARCH 2022

0830 – 1630	Registration Desk Opens		Grand Ballroom Foyer
0830 – 1600	Speaker Room opens		Boardroom
0830 – 1505	Exhibition opens Barista cart available	Barista Cart Sponsored by  LANDAUER	Grand Ballroom
	Plenary Session 3		Rooms 1&2
0900 – 0905	Opening Comments Ron Rubendra, Australasian Radiation Protection Society		
0905 – 1005	Keynote Address “Baking a cake, selling it twice, eating it once and keeping a little as inspiration for the next cake” Professor Tim Senden, Australian National University		
1005 – 1035	<i>Morning Refreshments & Trade Exhibition</i>		Grand Ballroom
	Concurrent Session 7, Room 1&2 Theme: Research and Engineering <i>Chair: Riaz Akber</i>	Concurrent Session 8, Room 6 Theme: Waste Management <i>Chair: Tony Mills-Thom</i>	
1035 – 1055	Immunomodulating Acute Respiratory Inflammation using Low-Moderate Dose Ionising Radiation Dr James McEvoy-May, University of Adelaide	Challenges for Radiation Protection in the Design of the National Radioactive Waste Management Facility Ciara Collins, ANSTO	
1055 – 1115	ARPANSA use of U.S. NRC RAMP Computer Codes for Radiation Assessments Blake Orr, ARPANSA	Soil Sampling around Waste Storage Facility Asif Ahmed, Department of Defence	
1115 – 1135	Introduction of ARPAB Expert Certification Brent Rogers, Southeast Sydney Local Health District	Australia’s World-Class Solution to LLW Waste – Tellus’ Sandy Ridge Near-Surface Geological Repository Annelize Van Rooyen, Tellus Holdings	

1135 – 1205	<p>Poster Session <i>Chair: Bill Bartolo</i></p> <ol style="list-style-type: none"> 1. Flinders University Radon Facility – Purpose Built, Small Animal Radon Chamber for Environmentally Relevant Exposures Dr James McEvoy-May, University of Adelaide 2. Conceptualisation and Modelling of Human Exposure to Sources of Radiation in Arid and Semi-Arid Zones of Australia Jarrah Mik, University of Adelaide 3. Correction Factor for Calibration of SPA-3 Probe When Measuring I-131 Released from a Reactor Incident Ajay Thomas, ANSTO 4. Comparison Between High-Purity Germanium Detectors for Measurement of 210Pb in Sediments Dr Christopher Kalnins, University of Adelaide 5. Radiation Protective Apparel: Is Testing Needed? Raihan Rasheed, Southeast Sydney Local Health District 	Grand Ballroom
1205 - 1305	<i>Lunch & Trade Exhibition</i>	Grand Ballroom
	<p>Plenary Session 4 (Session available via Zoom) Chair: Jim Hondros</p>	Rooms 1&2
1310 – 1350	<p>Keynote Address The Future of Radiation Protection – Where to from here? Dr Gillian Hirth, ARPANSA</p>	

1350 – 1435	<p><u>Panel Discussion 1: Future Directions in Medical Radiation Safety</u></p> <p>Facilitator Cameron Jeffries, Department of Health and Wellbeing</p> <p>Rapporteurs Paula Veevers, Queensland Health Alice Jagger, SA Radiation Pty Ltd</p> <p>Panellists Karen Marler, NSW Environment Protection Authority Andrew Popp, ANSTO Michael Gilhen, Peter MacCallum Cancer Centre Sue Macalpine, Northern Sydney Local Health District Nigel Freeman, Shelly Freeman Consulting</p>	
1435 - 1505	<i>Afternoon Refreshments & Trade Exhibition</i>	Grand Ballroom
1510 – 1555	<p><u>Panel Discussion 2: Future Directions in Non-Medical Radiation Safety</u></p> <p>Facilitator Jim Hondros, JRHC Enterprises</p> <p>Rapporteurs Paula Veevers, Queensland Health Alice Jagger, SA Radiation Pty Ltd</p> <p>Panellists Aqeel Abker, Safe Radiation Dr Kent Gregory, SA Radiation Pty Ltd Bill Bartolo, Bartolo Safety Management Service Sam Sonter, ANSTO Assoc Prof Ken Karipidis, ARPANSA</p>	Rooms 1&2

1555 – 1625	Awards Presentation Closing remarks and Conference Close Ron Rubendra, Australasian Radiation Protection Society
THURSDAY 10 MARCH 2022	
0845 – 1300	<u>Technical Tour - Heavy Ion Accelerator Facility</u> Meet at the hotel lobby at 8:45am

The ARPS 2021 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.

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