

DRAFT & PRELIMINARY PROGRAM as at 4 August 2016

Sunday 11 September 2016

1.00pm – 5.00pm 12.00pm-2.00pm	Registration Desk Open Attendees are encouraged to register early if you are in the vicinity of the Convention Centre ARPS Executive Meeting <i>City Suite 3</i>
2.00pm – 5.00pm	PRE CONFERENCE WORKSHOP – optional event \$100 registration fee applies Panorama Room 3
	WHEN SCIENCE COMMUNICATION MEETS PUBLIC CONTROVERSY Facilitated by Dr Paul Willis, Director, RiAus Dr Paul Willis is an experienced science communicator who will challenge what you thought you knew about science communication. Well-accustomed to facilitating debate on controversial scientific issues he will share some of the skills he has acquired over his long career in the field. Don't expect us to predict what he will cover, only to say it will be a lively discussion which could lead anywhere according to whatever communication challenges participants wish to raise. Remember to contribute what you've found from your own experiences as a scientist or practitioner.
5.30pm – 7.30pm	Welcome Reception Riverbank Promenade, Adelaide Convention Centre – included in full registrations

ARPS would like to acknowledge the support of our sponsors





Monday 12 September 2016

ONE DAY REGISTRATION \$435 included in full registrations

In conjunction with its national conference the Australasian Radiation Protection Society invites you to join radiation protection practitioners as they hear international and Australian experts speak on the management, storage and disposal of radioactive wastes.

MANAGEMENT, STORAGE AND DISPOSAL OF RADIOACTIVE WASTE TECHNICAL SYMPOSIUM

	8	.45am to 4.00pm
7.30am – 5.00pm	Registration Desk	Open
CONF	ERENCE DAY 1: LO	DNG TERM MANAGEMENT OF RADIOACTIVE WASTE
Plenary Session 1 Panorama Ballroom		Chair: Ian Furness
8.45am	Convenor Opening	g Comments & Welcome
9.00am-9.30am		Official Conference Opening Dr Leanna Read, Chief Scientist of South Australia
9.30am – 10.15am		Keynote Speaker Perceptions, Risks and Opportunities – the Role of the Radiation Protection Professional Dr Roger Coates OBE, President, International Radiation Protection Association Proudly sponsored by
10.15am – 10.45am	Morning Refreshn Enjoy Barista style Proudly sponsored	
Plenary Session 2 Panorama Ballroom	HIGH LEVEL WAST	TE FACILITIES: PROGRESS IN OTHER COUNTRIES Chair: Chuong Pham
11:00am – 11:30am		International Safety Standards Dr Marcus Grzechnik, Senior Scientist, Australian Radiation Protection and Nuclear Safety Agency (ARPANSA)
11.30am - 12.15pm		Waste Management in Finland Dr Sami Hautakangas, Fortum, Finland
12.15pm – 1.00pm		Waste Management in CanadaProfessor Doug Boreham, Bruce Power, CanadaProudly sponsored by

1.00pm – 1.50pm	Lunch & Trade ExhibitionPanorama FoyerThank you to our exhibiting companies.Please visit them throughout the conferenceRefreshment SponsorPlease visit them throughout the conferenceConstant SponsorConstant SponsorConstant SponsorConstant SponsorConstant Sponsor
Plenary Session 3 Panorama Ballroom	NUCLEAR MATERIALS IN AUSTRALIA Chair: Keith Baldry
2.00pm –3.00pm	Australian National Radioactive Waste Management Facility—Technical and Community Engagement: Challenges and Lessons Learnt Mr Bruce Wilson, Head of Resources Division, Department of Industry, Innovation and Science, Australia
3.00pm - 3.30pm	Global Nuclear Non-Proliferation and Nuclear Security Regimes - Implications for Nuclear Fuel Cycle Activities in Australia Dr Robert Floyd, Director-General, Australian Safeguards and Non- Proliferation Office (ASNO), Australia
3.20pm-3.30pm	Closing Summary
3.30pm - 4.00pm	Afternoon Refreshments & Trade ExhibitionPanorama FoyerEnjoy Barista style coffee proudly sponsored by ANSTO
	Conclusion of SYMPOSIUM & DAY 1 OF ARPS CONFERENCE

4.00pm – 6.00pm	Monday 12 September 2016
4.00pm – 6.00pm	ARPS Annual General Meeting Panorama Room 1
6.30pm – 8.30pm	PUBLIC EVENT – RiAus HYPOTHETICAL 55 Exchange Place, Adelaide 5000 <u>(map)</u> OPTIONAL EVENT – Registration required (details will be available soon)
	RiAus HYPOTHETICAL Exploring the issues surrounding long term disposal of high level nuclear wastes in South Australia. Draws on the views of a range of local and international experts including invited speakers from ARPS2016. Hosted by RiAus in collaboration with ARPS2016

Tuesday 13 September 2016

8.00am – 5.00pm	Registration Desk Open		
	CONFERENC	E DAY 2: EFFECTS OF LOW DOSE RADIATION	
	Session 4 na Ballroom	Chair: Assoc	Prof Tony Hooker
8:45am – 9.00am	Opening Comme	nts	
9.00am – 9.50am		Keynote SpeakerMinimising the Health Consequences of Nuclear Accneed to reassess our response?Professor Geraldine Thomas, Imperial College of LonaUKProudly sponsored by	
9.50am-10.20am	Morning Refresh Enjoy Barista styl Proudly sponsore	ments & Trade Exhibition le coffee	Panorama Foyer <u> <u> <u> </u> <u></u></u></u>
Plenary S Panoram	Session 5 The Ballroom	Chair: Proj	fessor Pam Sykes
10.20am – 11.05am		Guest Speaker Technologies and Models for Studying the Radiobio Effects <i>Professor Kevin Prise, Queens University, Belfast</i>	logy of Low-Dose
11.05am – 11.50am		Guest Speaker Understanding adaptation following exposure to ra we really know? Dr Benjamin Blyth, Peter MacCallum Cancer Centre	adiation- what do
11.50am – 12.20pm	Questions to par	nel	
12.20pm – 12.30pm	Major Sponsor P BHP Billiton	Presentation	bhpbilliton
12.30pm – 1.30pm	Thank you to our	nibition & Poster Session r exhibiting companies. Refi throughout the conference	Panorama Foyer reshment Sponsor

	Session 1 MEDICAL RADIATION RADIOBIOLOGY Chair: Professor Pam Sykes	Session 2 MINING/CLEAN AIR	Session 3 NON-IONISING
1.30pm - 1.50pm	Low-dose radiation response in the lungs and spleen: A healthy animal model Stacy Muise, McMaster University	E-Radiation Monitoring used in the Heathgate Resources In- Situ Recovery Uranium Operation Martin Jane, Heathgate Resources	Perceptions regarding patient safety and IPLs and Lasers in the medical aesthetic industry. What are the risks and opportunities? <i>Mr Kane Hammond, The</i> <i>Global Beauty Group</i>
1.50pm - 2.10pm	Parthenolide protects healthy tissues while sensitising prostate tumours to radiotherapy in vivo Katherine Morel, Flinders University	Mineral Sand Mining in Victoria - Radiation Exposure and Management of Community Concerns Morrie Facci, Department of Health & Human Services	What Does the Research Tell Us About the Risk of Electromagnetic Radiation (EMR)? Victor Leach, Oceania Radiofrequency Scientific Advisory Association (ORSAA)
2.10pm - 2.30pm	Risk of micronuclei formation among employees and residents in the vicinity of a monazite processing plant in Sri Lanka Dr Tania Warnakulasuriya, Faculty Of Medicine, University Of Kelaniya	Modelling Atmospheric Dispersion of Radon Exhalation Matthew Pickett, Jacobs	Radiofrequency electromagnetic field exposures in kindergarten children Chhavi Raj Bhatt, Monash University
2.30pm - 2.50pm	Head and Neck Cancer Stem Cells: Proliferation under X- Rays Paul Reid, ICAHE University Of South Australia	Regulating Residues from Uranium Production and Other NORM Activities to International Standards Daniel Bellifemine, South Australian Environment Protection Authority	Non-ionizing Radiation Protection: summary of research and policy options; development of a new text book to promote NIR education David Urban, ARPANSA
2.50pm - 3.10pm	Afternoon Refreshments & Enjoy Barista style coffee	& Trade Exhibition proudly sponsored by ANSTO	Panorama Foyer

	Session 4 MEDICAL RADIATIONS	Session 5 NORM/ENVIRONMENTAL IMPACT	Session 6 DEVELOPMENTS
3.10pm – 3.30pm	Optimisation of image quality and patient dose in radiographs of paediatric extremities using direct digital radiography Adam Jones, Western Sydney Local Health District	An improved NORM based planar radiation calibration facility Dr John Wallace, Radiation & Nuclear Science Unit, QLD Health	Environmental Dosimetry and Luminescence Research at The University of Adelaide Dr Nigel Spooner, University of Adelaide
3:30pm – 3.50pm	Radiation Dose Levels in Paediatric Congenital Heart Disease Terry Jones, The University of Sydney	Radon Measurements at Australian Antarctic Stations Brendan Tate, ARPANSA	Introduction to gamma spectroscopy on a budget Daniel Emes, SA Radiation
3:50pm – 4.10pm	Shielding X-Ray Rooms the South Australian Way Dr Giovanni Bibbo, Women's and Children's Hospital	Case Studies on Existing Exposure Situations Dr Fiona Charalambous, ARPANSA	Real-time area gamma monitoring data: the only way to manage operational exposures. Simon Turner, Queensland University of Technology
4:10pm – 4.30pm	Utilising Commonly Available Long-lived Radioisotopes and Filters to Check Contamination Probe Response for Short- lived Nuclear Medicine Radioisotopes Ata-ur-rehman Bhatti, Safe Radiation	Alpha Spectroscopy of Radon Daughters and Uranium Dust by the YAIO3:Ce Scintillation Detector Dr Jiri Kvasnicka, Radiation Detection Systems	Monitoring of Radiation Exposure Adjacent to a Linear Accelerator Treatment Bunker with a Highlight Window Cameron Jeffries, St Vincent's Hospital Sydney
4:30pm – 4.45pm	Close Day 2	1	
6.30pm – 10.30pm	ARPS Conference Di	nner, Adelaide Oval, Cathedral Ro	om — included in full registrations

Wednesday 14 September 2016

8.00am – 5.00pr	n	Registration Desk Open			
		Session 6 na Ballroom		Chairs: Assoc Pro	of Tony Hooker
8:45am – 9.00ar	- 9.00am Opening Comments				
9:00am – 9.45ar	n	Boyce Worthley Orat Sharon Paulka MARPS			
9.45am – 10.30a	am	Guest Speaker Reshaping lives after the Fukushima Accident Ms Ryoko Ando, Ethos in Fukushima			
10.30am – 11.00	10.30am – 11.00am Morning Refreshment Enjoy Barista style cof Proudly sponsored by		fee		anorama Foyer Ansto adiation Services
		Session 7 OMMUNICATION	Session 8 INDUSTRIAL		sion 9 METRY
11:00am – 11.20am	Communication of Radiation Risks from Diagnostic Medical Radiation Dr Giovanni Bibbo, Women's & Children's Hospital		Contaminated Site Remediation: Business Interests and Radiation Safety Jayant Raj, Safe Radiation	Extrapolated S Assessment w Stimulated Lun Dosimeters (O Dr Mamum Ha Oncology, Chrit Lifehouse	kin Dose ith Optically ninescent SLD) aque, Rad
11:20am – 11.40am	Involvement of and access to social science researchers from developing countries on research related to radiofrequency electromagnetic radiation Amit Dhungel, Green Tara Nepal		Detection of Radionuclides from Radiation Medical Treatments within South Australia's Wastewater - Samantha Pandelus, Flinders University	Energy depend and 7LiF TLD ro neutron radiat Stephanie Keel University	esponse to ion
11:40am – 12.00pm	Consultation and Engagement – Practical Considerations Jim Hondros, JRHC Enterprises		Designing an Industrial Facility for Assay of Gold and Other Elements in Mineral Samples using Gamma Activation Analysis Chanel Tissot, CSIRO	The mathemate dose reduction ray imaging Dr Xiaoming Zl Sturt University	neng, Charles
12.00pm – 12.20pm		ption and Science chard O'Brien, Retired	DST Group's Philosophical Approach to Radiation Safety Dr Vladimyros Devrelis, DST Group	Case Study - CT Viewing Window Cameron Storm, Sir Charles Gairdner Hospital	
12.30pm – 1.30pm	Than	n, Trade Exhibition & Po k you to our exhibiting c e visit them throughout	companies.		Major Sponsor

	Session 10	Session 11	Session 12	
	SAFEGUARDS &	MINING/ORES	RADIATION PROTECTION	
1.30pm – 1.50pm	EMERGENCY Perceptions, Risks and Opportunities of Transporting Major Projects through the Public Domain Gary Lux, ANSTO	A Pathway to Improving Methods for Remediation of Uranium and Daughter Products from South Australian Iron Oxide-Copper- Gold (IOCG) deposits Mark Rollog, University of Adelaide	A "Working Council" is a Council that works! How the RHSAC supports ARPANSA Dr Marcus Grzechnik, ARPANSA	
1.50pm – 2.10pm	Path to Best-Practice Nuclear Safeguards Regulation in Australia Dr Michael Went, ASNO	Elemental and Isotopic Characterisation of Australian and International Uranium Ore Concentrates and Uranium Ores for Materials Provenancing in Nuclear Forensics Tim Ditcham, Flinders University	The Biological Effects of Exposure to lonising Radiation Dr Donald Higson, Retired	
2.10pm – 2.30pm	The Consultation Process in Determining a National Reference Level for Emergency Preparedness and Response Dr Marcus Grzechnik, ARPANSA	Radionuclide detection in solid and liquid-phase materials containing uranium Dr David Ottaway, University of Adelaide and ARC Research Hub for Australian Copper- Uranium	The Australian Clinical Dosimetry Service: National Reference Levels Stephanie Keehan, RMIT University	
2.30pm – 2.50pm	Learning from incidents – introducing changes to the Australian Radiation Incident Register (ARIR) Chris Nickel, ARPANSA	NORM and NORM Management Dr Richard O'Brien, Retired	Radiation Protection in Industrial Applications in India Dr Ramanathan Ganesan, ex-BARC (Bhabha Atomic Research Centre), India	
2.50pm – 3.20pr	11	nts & Trade Exhibition fee proudly sponsored by ANSTO	Panorama Foyer	
	Plenary Session 7			
	Panorama Ballroom		Chair: Ian Furness	
3.20pm – 4.00pr	Radium Hill: Firs perspective of K	t hand experiences of Australia's evin Kakoschke hke OAM, President, Radium Hill H		
4.00pm – 4.30pr	n CONFERENCE AV	WARDS, PRIZES AND CLOSE		

OPTIONAL TOUR — included in full registration fee

5.00pm – 6.30pm	TOUR OF THE SAHMRI CYCLOTRON FACILITY
	Limited places will be available for a one-hour tour of the SAHMRI cyclotron facility
	hosted by the Director of Molecular Imaging and Therapy Research Unit.
	SAHMRI is located close to the conference venue on North Terrace. No cost
	associated with this event. Register by emailing <u>annika@laevents.com.au</u> .