

Conference Program

SUNDAY 13 OCTOBER

1.00pm – 5.00pm	Registration Desk Open	
	HALF DAY WORKSHOP Urchins 2	ARPS EXECUTIVE MEETING Coral Lounge
2.00pm – 5.00pm	Risk Communication with the Media: Emergency Response for a Radiological Incident George Anastas, G Anastas Consulting, New Mexico, USA	Invitation Only
5.30pm – 7.30pm	Welcome Reception The Pullman Pool Deck Dress: Casual	

MONDAY 14 OCTOBER

8.00am – 5.00pm	Registration Desk Open	
	PLENARY SESSION Chair: Frank Harris Michaelmas Cay Ballroom	
9.00am – 9.10am	Opening Comments & Welcome Frank Harris, 2013 ARPS Conference Convenor	
9.10am – 9.20am	Major Sponsor Address Robert Blackley - Leader, ANSTO Radiation Services	
9.20am – 10.20am	Keynote Presentation Reviewing the international framework for radiological protection and safety in the light of the accident at the Fukushima Daiichi Nuclear Power Plant Abel J. González, Member of ICRP, UNSCEAR and the IAEA' CSS, Autoridad Regulatoria Nuclear de Argentina	
10.20am – 10.50am	Morning Refreshments & Trade Exhibition Urchins 1	
	SESSION 1 NEW DEVELOPMENTS IN RADIATION PROTECTION Chair: Tony Hooker Michaelmas Cay Ballroom	
10.50am – 11.10am	Regulating so that the principles of justification and optimisation do not compromise real-world harm reduction Keith Baldry, Environment Protection Authority	

Conference Program

MONDAY 14 OCTOBER

11.10am – 11.30am	Expansion of the Australian National Radiation Dose Register Sarsha Collett, ARPANSA	
11.30am – 11.50am	The Australian Clinical Dosimetry Service: The findings and the future Peter Johnston, ARPANSA	
11.50am – 12.10pm	The Australian National Diagnostic Reference Level Service – Lessons learnt so far Paul Marks, ARPANSA	
12.10pm – 12.30pm	Assessment of Health Impacts from the 2011 Fukushima Dai-ichi Nuclear Power Station Stephen Solomon, ARPANSA	
12.30pm – 1.20pm	Lunch & Trade Exhibition Urchins 1	
	SESSION 2 RADIATION PROTECTION – NATURAL RESOURCES & ASSOCIATED INDUSTRIES Chair: Mark Sonter Michaelmas Cay Ballroom	SESSION 3 NEW DEVELOPMENTS IN RADIATION PROTECTION Chair: Paula Veevers Urchins 4
1.20pm – 1.40pm	Regulatory responses to assessments of radiological impacts on non-human biota Phil Crouch, Papari Radiation Services	New Developments in Direct Ion Storage Sander Perle, Mirion Technologies
1.40pm – 2.00pm	ALARA in Practice (The Collapse of ALARA to Compliance) Jim Hondros, JRHC Enterprises Pty Ltd	EPA SA Radon Chamber for modelling of occupational and environmental exposure conditions in mining projects Artem Borysenko, Environment Protection Authority
2.00pm – 2.20pm	Dose Rate Reduction at Ranger Uranium Mine via the Removal of Radium Based Scales and Redundant Pipework Elmarie Welman, Rio Tinto	Detection Background Radiation Levels using Dose Rate and Contamination Monitors in Perth's Outdoor Areas Colin Foley, Tracerco
2.20pm – 2.40pm	Continuous Radon progeny monitoring at a WA Uranium deposit Chris Dillon, Cameco	A review of the Mathew's et al research: 'Cancer risk in 680 000 people exposed to computed tomography scans in childhood or adolescence: data linkage study of 11 million Australians' Peter Johnston, ARPANSA
2.40pm – 3.10pm	Afternoon Refreshments & Trade Exhibition Urchins 1	

Conference Program

MONDAY 14 OCTOBER

	SESSION 4 RADIATION PROTECTION – NATURAL RESOURCES & ASSOCIATED INDUSTRIES Chair: Mark Sonter Michaelmas Cay Ballroom	SESSION 5 CHANGING FACE – HEALTH, RESEARCH AND INDUSTRIAL SECTORS Chair: John Wallace Urchins 4
3.10pm - 3.30pm	NORM 7 - An Overview Jim Hondros, JRHC Enterprises Pty Ltd	The Implementation of ALARA principles in Nuclear medicine at Veterinary Science Matt Bennett, The University of Melbourne
3.30pm – 3.50pm	Monitoring Of Radon Progeny And Calibration Of Equipment For Mining Projects David Kruss, Environment Protection Authority South Australia	Accuracy and Portability of Background Gamma Radiation Survey Data Drew Watson, Queensland Department Of Health
3.50pm – 4.10pm	NORM Management Richard O’Brien, ARPANSA	Response of Active Electronic Radiation Monitors in Pulsed X-ray Beams from linacs Peter Harty, ARPANSA
4.10pm – 4.30pm	The Effect of Wind Speed on the Atmospheric Re-suspension of Radioactive Dust from Dried Mine Tailings Michael Corry, ANSTO	The Efficiency for Gas Capture Systems for PET Cyclotrons and Hot Cells Victor Leach, The University Of Queensland
4.30pm – 4.50pm	The Utility of Urinalysis for Uranium Phil Crouch, Papari Radiation Services	Radiofrequency Radiation Exposure from Mobile Phones: A Study of Data from In vitro Studies Malka Halgamuge, The University Of Melbourne
4.50pm – 5.10pm	Radiation protection in uranium mining industry in the Czech Republic Jozef Sabol, Faculty of Biomedical Engineering	New Code of Practice on the Safe Transport of Radioactive Material (RPS 2) Keith Dessent, ARPANSA
5.10pm – 5.20pm	Please assemble in the Michaelmas Cay Ballroom for the AGM. Beverages will be served prior to and during this meeting.	
5.30pm – 6.30pm	ARPS Annual General Meeting Michaelmas Cay Ballroom	

Conference Program

TUESDAY 15 OCTOBER

8.00am – 5.00pm	Registration Desk Open
	PLENARY SESSION Chair: Frank Harris Michaelmas Cay Ballroom
9.00am – 9.10am	Opening Comments Frank Harris, 2013 ARPS Conference Convenor
9.10am – 10.10am	BOYCE WORTHLEY ORATION A Physicist's History of Mining of Uranium and other Radioactive Ores in Australia Mark Sonter, Radiation Advice & Solutions Pty Ltd
10.10am – 10.40am	Morning Refreshments & Trade Exhibition Urchins 1
	SESSION 6 SAFETY, CULTURE & SECURITY Chair: Vic Leach Michaelmas Cay Ballroom
10.40am – 11.00am	Promoting an integrated safety and security culture in the regulatory framework Mark Carey, Environment Protection Authority
11.00am – 11.20am	A radioactive waste inventory for Australia Ben Paritsky, ARPANSA
11.20am – 11.40am	IAEA Verification Activities at Universities, Research Institutes – What the IAEA does and how do we prepare Craig Everton, Australian Safeguards And Non-Proliferation Office
11.40am – 12.00pm	What Does a Culture of (Radiation) Safety Look Like? Robin Foy, ANSTO
12.00pm – 12.20pm	Applying Project Management principles to enhance radiation safety culture at ANSTO Hefin Griffiths, ANSTO
12.20pm – 12.40pm	The recovery of an orphan industrial source from shredded scrap metal and the trail to find its owner Karl Mayman, ANSTO
12.40pm – 2.00pm	Lunch, Poster Session & Trade Exhibition Urchins 1

Conference Program

TUESDAY 15 OCTOBER

	SESSION 7 CHANGING FACE – HEALTH, RESEARCH AND INDUSTRIAL SECTORS Chair: Helen Leonard Michaelmas Cay Ballroom	SESSION 8 CHALLENGES IN COMMUNICATING RADIATION RISK Chair: Simon Critchley Urchins 4
2.00pm – 2.20pm	Assessment of radiation exposure to hospital staff and patients from SIR-Spheres therapy Sue Macalpine, Royal North Shore Hospital	Radiation Protection Aspects for the Replacement of a Neutron Guide on the OPAL Research Reactor Prashant Maharaj, ANSTO
2.20pm – 2.40pm	Solar Erythemat UV Radiation and Beards Alfio Parisi, University Of Southern Queensland	Communicating radiation risks using science and being believed Chris Nickel, Health Protection Service, ACT Health
2.40pm – 3.00pm	Evaluation of a smart phone compatible low cost radiation detector Cameron Jeffries, St Vincent's Hospital	Approaches To Developing Radiation Safety For Biomedical Researchers Michelle Wakelam, Virtual Accident
3.00pm – 3.20pm	Measured Occupational Solar UVR Exposures of Outdoor Workers in Queensland: Indications that Protective Measures are Effective Peter Gies, ARPANSA	Monitoring and communicating the environmental performance of a nuclear facility Emma Young, ANSTO
3.20pm – 3.40pm	Implications of a Reduced Dose Limit to the Lens of the Eye Robert Guilfoyle, ARPANSA	Quantification of radiation exposure for the risk assessment Jozef Sabol, Faculty of Biomedical Engineering
3.40pm – 4.00pm	Afternoon Refreshments & Trade Exhibition Urchins 1	
	PLENARY SESSION Chair: Frank Harris Michaelmas Cay Ballroom	
4.00pm – 5.00pm	KEYNOTE PRESENTATION Sunbed use and health abuse Prof Adèle Green, Queensland Institute of Medical Research	
5.00pm – 5.10pm	Close of Day 2 Frank Harris, 2013 ARPS Conference Convenor	
7.00pm – 11.30pm	Conference Dinner Salt House Restaurant Dress: Casual	

Conference Program

WEDNESDAY 16 OCTOBER

8.00am – 5.00pm	Registration Desk Open	
	PLENARY SESSION Chair: Frank Harris Michaelmas Cay Ballroom	
9.00am – 9.10am	Opening Comments Frank Harris, 2013 ARPS Conference Convenor	
9.10am – 10.10am	KEYNOTE PRESENTATION Advanced Radioisotope Sources - Design for Safety and Performance Dr Mark Shilton, QSA Global Inc, Burlington, USA	
10.10am – 10.40am	Morning Refreshments & Trade Exhibition Urchins 1	
	SESSION 9 RADIATION PROTECTION FUNDAMENTALS Chair: Paula Veevers Michaelmas Cay Ballroom	
10.40am – 11.00am	Radiation Protection Fundamentals – The ARPANSA perspective Peter Johnston, ARPANSA	
11.00am – 11.20am	Radiation Protection Fundamentals – A regulatory perspective Keith Baldry, Environment Protection Authority	
11.20am – 11.40am	Radiation Protection Fundamentals – An industry perspective Frank Harris, Rio Tinto	
11.40am – 12.40pm	Panel Discussion	
12.40pm – 1.40pm	Lunch & Trade Exhibition Urchins 1	
	SESSION 10 NEW DEVELOPMENTS IN RADIATION PROTECTION Chair: John Wallace Michaelmas Cay Ballroom	SESSION 11 SAFETY CULTURE AND SECURITY / CHALLENGES IN COMMUNICATING RADIATION RISK Chair: Vic Leach Urchins 4
1.40pm – 2.00pm	An Analysis of Data in the Australian National Radiation Dose Register Ben Paritsky, ARPANSA	How safe is your research? A University's approach to radiation safety David Keizer, Bio21 Institute

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2.00pm – 2.20pm	Revision of the Near Surface Disposal Code Richard O'Brien, ARPANSA	Safe Laser Pointer or Prohibited Weapon: How do You Know? Neil Webster, CSIRO
2.20pm – 2.40pm	Performing Environmental Assessments – How can a Safety Guide help me? Marcus Grzechnik, ARPANSA	Prudent security practices for low sensitivity nuclear material Craig Everton, Australian Safeguards And Non-Proliferation Office
2.40pm – 3.00pm	Biological Effects due to Electromagnetic Fields: Evidence from Laboratory Studies and ICNIRP Limits Malka N. Halgamuge, The University of Melbourne	Polonium in your undies - What does it mean? Cameron Jeffries, St Vincent's Hospital
3.00pm – 3.20pm	Report on the application of the European DOSE DATAMED projects and the development of a Radiation Protection of the Patient program in Australia Paul Marks, ARPANSA	Whither LNT? Don Higson
3.20pm – 3.50pm	Afternoon Refreshments & Trade Exhibition Urchins 1	
SESSION 12 CHALLENGES IN COMMUNICATING RADIATION RISK Chair: Simon Critchley Michaelmas Cay Ballroom		
3.50pm – 4.10pm	Evacuation as a Protective Measure George Anastas, GA & Associates	
4.10pm – 4.30pm	Recognising and responding to cultural perceptions in risk communication Mark Carey, Environment Protection Authority	
4.30pm – 4.50pm	Background aquatic monitoring with an eye on Fukushima Marcus Grzechnik, ARPANSA	
4.50pm – 5.15pm	Conference Close & Exhibitor Prize Draw Frank Harris, 2013 ARPS Conference Convenor	

THURSDAY 17 OCTOBER

RADON WORKSHOP The Reef Room	
8.30am – 9.15am	Radon Emanation (natural and mining related sources) Riaz Akber, Safe Radiation
9.15am – 10.00am	Radon and RDP in the Environment Stephen Solomon, ARPANSA
10.00am – 10.30am	Morning Refreshments
10.30am – 11.15am	Radon and RDP in the workplace Chuong Pham & Cameron Mcleod, BHP Billiton
11.15am – 12.00pm	Radon and RDP monitoring techniques and Instrumentation David Kruss, Environment Protection Authority
12.00pm – 12.45pm	Epidemiological changes for radon Frank Harris, Rio Tinto
12.45pm – 1.45pm	Lunch
1.45pm – 2.30pm	Dosimetric approach to RDP Stephen Solomon, ARPANSA
2.30pm – 3.30pm	Implications of the Proposed Changes Frank Harris, Rio Tinto
3.30pm – 4.00pm	Afternoon Refreshments
4.00pm – 5.00pm	Radon where to from here Mark Sonter, Radiation Advice & Solutions Pty Ltd