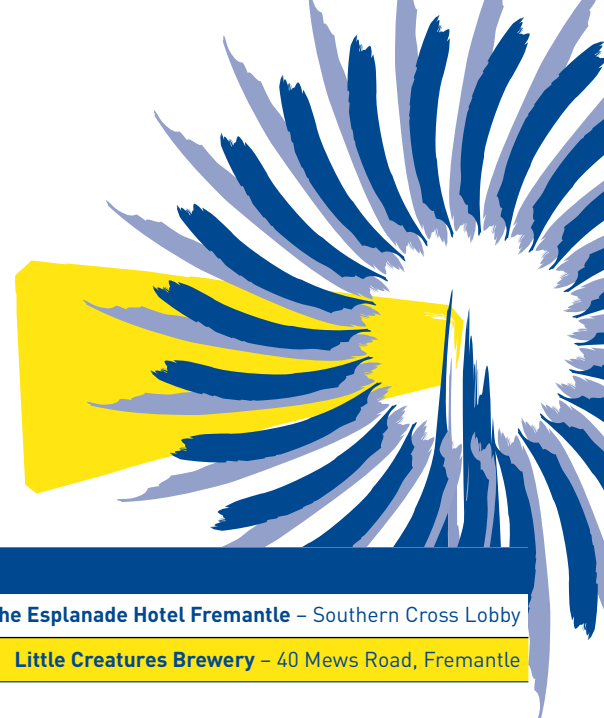




ARPS34 2009 CONFERENCE PROGRAM


25–28 OCTOBER 2009
THE ESPLANADE HOTEL
FREMANTLE, WESTERN AUSTRALIA
www.leishman-associates.com.au/arps2009



SUNDAY 25 OCTOBER 2009

3.00pm - 5.30pm	Registration Desk Open	The Esplanade Hotel Fremantle – Southern Cross Lobby
6.00pm - 8.00pm	Welcome Reception - "The Red Room - The Loft"	Little Creatures Brewery – 40 Mews Road, Fremantle

MONDAY 26 OCTOBER 2009

8.00am	Registration Desk Open and Welcome Refreshments	Southern Cross Lobby
9.00am - 9.05am	Opening Comments: Ron Rubendra, Vice President, ARPS	Sirius Room
9.05am - 9.15am	Official Opening: Hon. Norman Moore – WA Minister for Mines & Petroleum	Sirius Room
Session One - NORM CHAIRPERSON: NICK TSURIKOV		Sirius Room
9.15am-10.15am	Keynote Presentation: Dr Boguslaw Michalik An overview of the radiation protection issues in Polish coal mining and other industries and the situation with the management of Naturally Occurring Radioactive Materials (NORM) in Poland and in the European Union	Proudly sponsored by 
10.15am - 10.35am	MORNING REFRESHMENTS	Southern Cross Lobby and Indian Ocean Suites
10.35am - 10.55am	Health and Environmental Impact Assessment: In the context of ARPANSA's Safety Guide on NORM management (RPS-15) and the IAEA EMRAS programs (Environmental Modelling for Radiation Safety): Richard O'Brien , Alan Melbourne and Andrew Johnston	
10.55am - 11.15am	Radiation Protection and Management of NORM in the Oil Industry: Katrina Sonter , Mark Sonter and Cameron Wills	
11.15am - 11.35am	Uranium series disequilibrium in soils in areas used for water disposal through spray irrigation at ERA Ranger Uranium Mine: Riaz Akber , Ping Lu and Andreas Bollhöfer	
11.35am - 11.55am	Guidelines for Management and Disposal of Naturally Occurring Radioactive Material: Dr Ajoy Chatterjee	
11.55am - 1.05pm	LUNCH	Southern Cross Lobby and Indian Ocean Suites
Session Two - NORM, Uranium exploration, mining, processing CHAIRPERSON: IVAN FETWADJIEFF		Sirius Room
1.05pm - 1.35pm	A preliminary assessment of radon in Australian homes and comparison with previous studies: Tracy Wright , Stephen Solomon, Rick Tinker	
1.35pm - 1.55pm	Characterising a Suburban Contamination Legacy: Robert Blackley and Alison Parkes	
1.55pm - 2.15pm	Commissioning of a radiation portal monitor at the lease gate of a uranium mine: David Kruss and Chris Nickel , BHP Billiton Uranium CSG	
2.15pm - 2.35pm	Development of a Safety Guide on Occupational Dose Assessment in Mining and Mineral Processing: Ches Mason , Rick Tinker and Che Doering	
2.35pm - 2.55pm	Investigating a pre-mining radiological analogue for Ranger Uranium mine, Northern Territory, Australia: Andreas Bollhöfer , Andrew Esparon, Bruce Ryan and Kirrilly Pfitzner	
2.55pm - 3.15pm	ARPANSA's atmospheric transport modelling capabilities: Blake Orr , Marcus Grzechnik, Rick Tinker, Stephen Solomon	
3.15pm - 3.35 pm	AFTERNOON REFRESHMENTS	Southern Cross Lobby and Indian Ocean Suites
3.35pm - 4.05pm	POSTER SESSION CHAIRPERSONS: NICK TSURIKOV AND IVAN FETWADJIEFF	Southern Cross Lobby and Indian Ocean Suites
4.05pm - 5.05pm	EXHIBITORS Presentations CHAIRPERSONS: NICK TSURIKOV AND IVAN FETWADJIEFF	Sirius Room
5.15pm - 6.15pm	ARPS AGM	Sirius Room

TUESDAY 27 OCTOBER 2009

8.00am	Registration Desk Open and Welcome Refreshments	
8.30am - 8.35am	Opening Comments: Ron Rubendra , Vice President, ARPS Executive Committee	Sirius Room
Session Three - Regulation of Radiation Protection CHAIRPERSON: NICK TSURIKOV		Sirius Room
8.35am - 9.35am	Keynote Presentation: Dr Hidenori Yonehara Status of Industrial Use of NORM and the Future Regulation Policy in Japan	Sirius Room
9.35am - 10.00am	MORNING REFRESHMENTS	Southern Cross Lobby and Indian Ocean Suites
CONCURRENT SESSIONS		
	Ionizing Stream - Sirius Room CHAIRPERSON: CAMERON STORM	ACRBR Stream - Pleiades Room CHAIRPERSON: JONATHON THWAITES
10.00am - 10.20am	The Regulatory Approvals System for Uranium Mining in Western Australia: Mike Rowe	Murdoch University Veterinary Diagnostic and Therapeutic Nuclear Medicine Facility: Lyall Munslow-Davies and Dr Jennifer Richardson
10.20am - 10.40am	Regulation of Uranium Mining in SA: Andrew Johnston and Cameron Jeffries	Spatial analysis of the radiation field from a CS - 137 calibration source by use of gel dosimetry: Jamie Trapp
10.40am - 11.00am	Moving to a Uranium Mining Industry in Western Australia: Ivan Fetwadjjeff	Automated Decontamination of Floor Surfaces: Eliza Bovell , Alicia Broadhurst, Steve Crossley, Lloyd Lee, Xuyen Phan, Rainer Scharli and Yan Xu
11.00am - 11.20am	The Australian National Radiation Dose Register: Robert Guifoyle , Che Doering and Rick Tinker	Measurement of non-ionising radiation according to the upcoming new guideline IEC 62232: Kelvin Butcher
11.20am - 11.40am	ARPANSA's Radiation Protection Series - What's new and what's next?: Keith Dessent and Alan Melbourne	Deployment of an Excel Visual Basic Program to Assist in Monitoring and Reporting Staff Radiation Doses in the Radiopharmaceutical Development & Production (RAPID) Centre at Sir Charles Gairdner Hospital: Peter Gibbons
11.40am - 12.00pm	Australian Young Generation in Nuclear: Mark Alexander and Peter Gibson	
12.00pm - 1.00pm	LUNCH	Southern Cross Lobby and Indian Ocean Suites
Session Four - Medical, Research, Laboratory and Operational Radiation		
CONCURRENT SESSIONS		
	Ionizing Stream - Sirius Room CHAIRPERSON: RON RUBENDRA	ACRBR Stream - Pleiades Room CHAIRPERSON: RAY MCKENZIE
1.00pm - 1.20pm	Providing technical support for a radiological laboratory in a University: John Barrett	Precautionary measures and risk perception about mobile communications in an Australian sample: Rodney J. Croft
1.20pm - 1.40pm	Radiation Protection in Medicine: Prof Carl Munoz-Ferrada	Effects of information about precautionary measures on risk perceptions of mobile communication technology: Peter Wiedemann
1.40pm - 2.00pm	Risks and Benefits from Exposure to Ionising Radiation: Dr Don Higson	ACRBR survey of exposure to radiofrequency EME in Australian homes: Ray McKenzie , Rodney Croft and Sumie Leung
2.00pm - 2.20pm	Radiation Protection of Nuclear Medicine Staff - SPECT, PET & PET/CT: Yvette Wilson	A new web tool for calculating ACMA RF exclusion zones: Vitas Anderson , Francois du Plessi and Marnus Van Wyk
2.20pm - 2.40pm	15 years since the development of the Australian Gamma Surgical Probe for applications in Lymphoscintigraphy and Lymphobiopsy: Prof Carl Munoz-Ferrada	A Comprehensive Tissue Properties Database Provided for the Thermal Assessment of a Human subject exposed to Electromagnetic Energy: Robert McIntosh and Vitas Anderson
2.40pm - 3.00pm	Radiation Safety in the Brachytherapy Suite: Yvette Wilson	Exposure Assessment for MIMO antenna configurations: Nicholas Perentos , Steve Iskra, Ray McKenzie and Vitas Anderson
3.00pm - 3.20pm	Radiation Protection and Waste Management of Radioactive Materials In Waste Management: Abdul Malik	Evaluation of Radiofrequency radiation exposure on differentiated hematopoietic stem cells of rats: Gaurav Kumar , Andrew Wood, Vitas Anderson, Robert McIntosh, Ray McKenzie, Linda Chen
3.20pm - 3.40pm	Nuclear Power to Reduce Carbon Emissions: Dr Don Higson	Variability in radio-frequency dosimeter readings at 900 MHz when worn by an adult or child: Steve Iskra, Ray McKenzie and Irena Cosic
3.40pm - 4.00pm	AFTERNOON REFRESHMENTS	Southern Cross Lobby and Indian Ocean Suites
Session Five - Norm in Mining CHAIRPERSON: REX BREHENY		Sirius Room
4.00pm - 4.20pm	Radiation Protection in a Rare Earths Project: Mark Sonter and Gavin Beer	
4.20pm - 4.40pm	21st century radiation protection in mining, with a special focus on the Yeelirrie deposit: Chris Nickel , BHP Billiton Uranium CSG	
4.40pm - 5.00pm	The importance of understanding radionuclide distribution and activity for radiation protection: Frank Harris , BHP Billiton Uranium CSG	
5.00pm - 6.00pm	Uranium Project RSO's Forum - Operators Radiation Committee Reboot	Sirius Room

7.00pm - 11.30pm Conference Dinner – **The Maritime Museum of Western Australia**
Victoria Quay, Fremantle

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WEDNESDAY 28 OCTOBER 2009

8.00am	Registration Desk Open and Welcome Refreshments	Southern Cross Lobby Indian Ocean Suites
8.30am - 8.35am	Opening Comments: Ron Rubendra , Vice President, ARPS Executive Committee	Sirius Room
8.35am - 9.35am	Boyce Worthley Oration: Dr Bill Toussaint People involved in radiation research and protection - an historical perspective	Sirius Room
9.35am - 10.00am	MORNING REFRESHMENTS	Southern Cross Lobby and Indian Ocean Suites
Session Six – Legal Aspects of Radiation Protection CHAIRPERSON: BILL CHANDLER		Sirius Room
10.00am - 11.00am	Keynote Presentation: Mr Charles T Simmons An overview of the Legal Aspects of NORM Regulations in the United States	Proudly sponsored by Department of Environment & Climate Change NSW 
11.00am - 11.20am	Radon risk: the smoking elephant: Dr Ches Mason	
11.20am - 11.40am	Environmental assessment framework for uranium mining: Che Doering and Peter Johnston	
11.40am - 12.00pm	Incident Reporting at SA Uranium Mines: Cameron Jeffries and Andrew Johnston	
12.00pm - 12.50pm	LUNCH	Southern Cross Lobby and Indian Ocean Suites
Session Seven – Safety and Security of Radioactive Material CHAIRPERSON: GEORGE KOPERSKI		Sirius Room
12.50pm - 1.20pm	The Incident Command System: A Coordinated and Unified System for Response to Emergencies: George Anastas	
1.20pm - 1.40pm	Building Collaborative Relationships and Enhancing Radiological Security and Emergency Preparedness in the Land of Smiles - Thailand: John Bus , Brian Holland, Allan Murray, Geoffrey Howard, Kittiphong Saiyut, Tuongtong Rusmitus and Udorn Youngchuay	
1.40pm - 2.00pm	The Training Program for the Security of Radioactive Sources: Peter Ellis	
2.00pm - 2.20pm	Development of spectroscopy solution for the Korea's radiological readiness program: Tae Hyung Lim and Chang Ho Park	
2.20pm - 2.40pm	AFTERNOON REFRESHMENTS	Southern Cross Lobby and Indian Ocean Suites
Session Eight – Problem Solving - ANSTO presentation CHAIRPERSON: RON RUBENDRA		Sirius Room
2.40pm - 3.00pm	A Radiation Protection Perspective of Decommissioning of The MOATA Reactor (The First in Australia): Prashant Maharaj, Alison Parkes and Tina Clarence	
3.00pm - 3.20pm	All is not what it seems!.....Isotopes and Inventories: Karl Mayman	
3.20pm - 3.40pm	Operational Radiation Protection and Training: John Bus , Prashant Maharaj and Michael Potewski	
3.40pm - 4.00pm	ARPS Paper and Poster Awards, 2010 Conference Launch and Closing Comments	

THURSDAY 29 OCTOBER 2009

8.00am - 4.30pm Conference Technical Tour – sponsored by Tiwest
Tiwest Dry Separation and Synthetic Rutile Plant.

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Tour departs Fremantle (Esplanade Hotel) at 8.00am and will return via Perth Airport at 4.30pm

POSTER PRESENTERS

1. Regional Capability Building in Security of Radioactive Sources Through Systematic and Sustainable Training: Geoffrey Howard, Fred Morris, Allan Murray and **Mark Alexander**
2. ANSTO's cobalt-60 irradiator - its current uses, recent replenishment and future plans: **Justin Davies**, Connie Banos, Allan Perry, Sohil Seheth, Mandy Bennie, Allan Murray and Clive Baldock
3. Measuring Radioactive Disequilibrium in Uranium Ore Samples Using the ORTEC Micro-Detective System: Bruce Dickson, Nigel Paylor, **Robert Saunders**
4. Derivation of intake activity limits based on generic reference levels for internal dose in a radiological incident: Lydia Tjong, David Urban, Julia Carpenter, Tracy Wright, Stephen Solomon, **Rick Tinker**
5. Development of Program for Calculating Effective Dose Received by Workers Handling NORM: **Kazuki Iwaoka** and Dr Hidenori Yonehara