

# The AusIMM International Uranium Conference 2014

## DAY 1 – Tuesday 10 June 2014

### Riverside Ballroom South

	<b>Session 1: Official Opening and Keynote Presentations</b> <b>Session Chair: Mark Chalmers FAusIMM, The AusIMM International Uranium 2014 Conference Chair</b>	
8.30 am – 8.35 am	<b>Welcome from the Conference Chair:</b> <i>Mark Chalmers FAusIMM, The AusIMM International Uranium 2014 Conference Chair</i>	
8.35 am – 8.40 am	<b>Official Conference Opening:</b> <i>Chris Davis FAusIMM(CP), AusIMM Board Member</i>	
8.40 am – 9.10 am	<b>Keynote Presentation I: Ministerial Opening Address – Uranium Development in Western Australia – A State Government Perspective —</b> <i>The Honourable Bill Marmion, Minister for Mining and Petroleum</i>	
9.10 am – 9.30 am	World Nuclear Power Scene and Outlook — <i>I Hore-Lacy</i>	
9.30 am – 9.50 am	The Wiluna Uranium Project — <i>J Baines</i>	
9.50 am – 10.20 am	<b>Keynote Presentation II: Nuclear Power Prospects for Global Decarbonisation —</b> <i>Barry Brook, Director of Climate Science, School of Earth and Environmental Sciences, The Environment Institute, The University of Adelaide</i>	
10.20 am – 10.30 am	AusIMM Chartered Professional presentation — <i>Peter Waggett, CP Board Member</i>	
<b>10.30 am – 10.45 am</b>	<b>Morning Tea and Exhibition, Riverside Ballroom North</b>	
	<b>Session 2: Geology and Exploration I</b> <b>Session Chair: Andrea Marsland-Smith MAusIMM, Heathgate Resources</b>	Proudly sponsored by  AREVA <small>Renewable Energy</small>
10.45 am – 11.05 am	Geological Aspects of Modelling Roll-front Sandstone-hosted Uranium Deposits – Examples from the Giant South Kazakhstan Deposits — <i>M Sereedkin, A Boytsov and T Heyns</i>	
11.05 am – 11.25 am	Sedimentary Features and Uranium Metallogenic Conditions of Sifangtai Formation in the West Slope of Songliao Basin, China — <i>Z Yan, F Nie, Z Feng and J Hu</i>	
11.25 am – 11.45 am	Study on Braided Delta Facies and Sandstone-type Uranium Mineralisation – A Case from the Tuha Basin, North-west China — <i>F Nie</i>	
11.45 am – 12.05 pm	Geophysics, Structure and Uranium in the Curnamona and Billeroo Palaeovalley Systems, Frome Embayment, South Australia — <i>T Munday, C Sorensen and J Cherry</i>	
12.05 pm – 12.25 pm	Geology and Geometallurgy of the Manyingee Uranium Deposit, Carnarvon Basin, Western Australia — <i>A Wilde, S Sugden and J Thom</i>	
<b>12.25 pm – 1.15 pm</b>	<b>Lunch and Exhibition, Riverside Ballroom North</b>	
		Proudly sponsored by  Government of South Australia <small>Department for Manufacturing, Innovation, Trade, Resources and Energy</small>
	<b>Session 3: Keynote and Process Technologies I</b> <b>Session Chair: James Davidson FAusIMM, Inception Group</b>	
1.15 pm – 1.45 pm	<b>Keynote Presentation III: Health Implications of the Accident at the Fukushima Daiichi Nuclear Power Station —</b> <i>Carl-Magnus Larsson, Chief Executive Officer, ARPANSA</i>	
1.45 pm – 2.05 pm	Metallurgical Test Work to Support Development of the Kintyre Project — <i>M D Maley, R J Ring, D Maxton and E Paulsen</i>	
2.05 pm – 2.25 pm	Continuous Uranium Solvent Extraction Mini-pilot Plant Trials for the Kintyre Deposit — <i>M Fainerman-Melnikova, M Ovinis, M Maley, K Soldenhoff, E Paulsen and D Maxton</i>	
2.25 pm – 2.45 pm	Uranium Loss Mechanisms in Carbonate Leaching of Calcrete-hosted Uranium Ores Unveiled by Synchrotron Radiation-based Micro X-ray Techniques — <i>J Li, C Johnson, M Gráfe, M Pownceby, C Klauber and K Bunney</i>	
2.45 pm – 3.05 pm	High-resolution Electromagnetic Geophysics Over Goulds Dam Uranium Deposit — <i>C Sorensen and T Munday</i>	
<b>3.05 pm – 3.30 pm</b>	<b>Afternoon Tea and Exhibition, Riverside Ballroom North</b>	
	<b>Session 4: Geology and Exploration II</b> <b>Session Chair: Damien Ewington MAusIMM(CP), Cameco</b>	
3.30 pm – 3.50 pm	Uranium Footprints for Multiple-element Exploration Targets Under Deep Cover in the Curnamona Province, South Australia – The Value of an Integrated Exploration Approach in the Deep Cover — <i>E Baudet, S B Hore, S M Hill and T Wilson</i>	
3.50 pm – 4.10 pm	Mineralogical Indicators of an Unconformity-related Model for Uranium Mineralisation along the Kiggavik – Andrew Lake Structural Trend, Nunavut, Canada — <i>T Riegler, D Beaufort and D Quirt</i>	
4.10 pm – 4.30 pm	Basin-wide Conductivity Models of Arnhem Land from an Extensive Airborne Electromagnetic Data Collection — <i>A Fitzpatrick</i>	
4.30 pm – 4.50 pm	Structural, Metamorphic and Hydrothermal Paragenesis of the Kintyre Uranium Deposit — <i>P Large</i>	
4.50 pm – 5.10 pm	Ranger 3 Deeps – Orebody Knowledge and Its Impact on Resource Modelling — <i>S Pevely and M Hinman</i>	
5.10 pm – 5.15 pm	<b>Day 1 Closing Remarks:</b> <i>Mark Chalmers FAusIMM, The AusIMM International Uranium 2014 Conference Chair</i>	
<b>7.00 pm for 7.30 pm</b>	<b>Official Conference Dinner, Silver Room, Novotel Perth Langley</b>	

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## DAY 2 – Wednesday 11 June 2014

### Riverside Ballroom South

	<b>Session 5: Keynote Presentation</b> <b>Session Chair: Mark Chalmers FAusIMM, The AusIMM International Uranium 2014 Conference Chair</b>
8.30 am – 8.35 am	<b>Day 2 Welcome and Opening Remarks:</b> <i>Mark Chalmers FAusIMM, The AusIMM International Uranium 2014 Conference Chair</i>
8.35 am – 9.05 am	<b>Keynote Presentation IV: Uranium – The Opportunity for Australia</b> — <i>Daniel Zavattiero, Executive Director – Uranium, Minerals Council of Australia</i>
9.05 am – 9.35 am	<b>Keynote Presentation V: High Energy, Low Pollution – Why We Must Bring Forward the Actinide Age</b> — <i>Ben Heard, Director, ThinkClimate Consulting</i>
<b>9.35 am – 10.00 am</b>	<b>Morning Tea and Exhibition, Riverside Ballroom North</b>
	<b>Session 6: Policies, Approvals, Health and Safety</b> <b>Session Chair: Malcom Wedd MAusIMM, Heathgate Resources</b>
10.00 am – 10.20 am	Gaining Environmental Approval and Social Acceptance for Uranium Mining in Australia — <i>J Rutter and T Halliday</i>
10.20 am – 10.40 am	Reforming Environmental Regulation of Mining in Western Australia – How Uranium Mining has Contributed to the Reform — <i>D Endacott</i>
10.40 am – 11.00 am	Gearing up for Uranium Mining in Western Australia – Regulating Radiation Safety — <i>G Cobby</i>
11.00 am – 11.20 am	The New Queensland Code and Guidance Documents on NORM Safety and Health Standards – A Simplified, Risk-based Approach to Control at Mine Sites — <i>I J Ellison</i>
11.20 am – 11.40 am	Nuclear Security for the Uranium Industry — <i>S Bayer</i>
11.40 am – 12.00 pm	The Uranium Mining and Remediation Exchange Group – The First 20 Years — <i>A Jakubick and P Waggitt</i>
<b>12.00 pm – 12.50 pm</b>	<b>Lunch and Exhibition, Riverside Ballroom North</b>
	Proudly sponsored by  <small>Government of South Australia            Department of Mines and Energy</small>
	<b>Session 7: Keynote Presentation and Geology and Exploration III</b> <b>Session Chair: Peter Waggitt FAusIMM(CP), Department of Mines and Energy (WA)</b>
12.50 pm – 1.20 pm	<b>Keynote Presentation VI: Uranium History and Its Bearing on Future Discovery and Exploration</b> — <i>John Borshoff FAusIMM, Managing Director and CEO, Paladin Energy</i>
1.20 pm – 1.40 pm	Geology and Uranium Resources of the Central Mineral Belt, Labrador — <i>A Wilde</i>
1.40 pm – 2.00 pm	Genesis of Roll Front-type Uranium Deposits in the Erlian Basin, North-east China – The Bayinwula Deposit — <i>C Bonnetti, M Cuney, F Malartre, R Michels, S Bourlange and X Liu</i>
2.00 pm – 2.20 pm	Epigenetic Fluid Alteration and Uranium Mineralisation Mechanism of Tamusu Exogenous Uranium Deposit in Inner Mongolia, North China — <i>C-Y Zhang, F Nie and W Deng</i>
2.20 pm – 2.40 pm	Disequilibrium at Manyingee — <i>A Taylor</i>
2.40 pm – 3.00 pm	Organic Facies of the Frome Embayment and Callabonna Subbasin, South Australia – What and Where the Uranium Reductants? — <i>B H Michaelsen and A J Fabris</i>
<b>3.00 pm – 3.25 pm</b>	<b>Afternoon Tea and Exhibition, Riverside Ballroom North</b>
	<b>Session 8: Processing Technologies II</b> <b>Session Chair: Chris Davis FAusIMM(CP), Sinosteel Channar</b>
3.25 pm – 3.45 pm	Is Lining a Rational Approach to the Management of Seepage from Tailings Storage Facilities? — <i>D A Williams, J D Waterhouse and R G Barsi</i>
3.45 pm – 4.05 pm	Chemical and Micro-structural Characterisation Studies on Naturally Occurring Uranium Minerals – Implications for Processing — <i>M I Pownceby, R Ram, F A Charalambous, S McMaster, J Tardio and S K Bhargava</i>
4.05 pm – 4.25 pm	The PhosEnergy Process – Uranium from Phosphates — <i>M Penington, B Jones and J Davidson</i>
4.25 pm – 4.30 pm	<b>Refresher Break</b>
4.30 pm – 4.50 pm	Ion Exchange Resin Selection and Circuit Configurations — <i>D Connelly</i>
4.50 pm – 5.10 pm	A Novel Approach to Recover Uranium from Loaded Solvents in Uranium Solvent Extraction Circuits — <i>M Urbani</i>
5.10 pm – 5.30 pm	A Novel Solvent Extraction Technology to Recover Uranium from Strong Sulfuric Acid Strip Liquor — <i>Z Zhu, Y Pranolo and C Y Cheng</i>
5.30 pm – 5.50 pm	Application of <i>In Situ</i> Leaching of Uranium in China and Its Development Trend — <i>J-H Li, Y-H Tan, W-C Li, W Cheng, J-X Deng and L Zhou</i>
5.50 pm – 5.55 pm	<b>Conference Close:</b> <i>Mark Chalmers FAusIMM, The AusIMM International Uranium 2014 Conference Chair</i>
6.00 pm – 6.30 pm	<b>Farewell Drinks, Sen5es Restaurant and Wine Bar, Novotel Perth Langley</b>