



12th AusIMM Underground Operators' Conference 2014

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DAY 1 – Monday 24 March Adelaide Convention Centre Hall C

	Session 1: Official Opening and Keynotes Session Chair: Chris Carr, 12th AusIMM Underground Operators' 2014 Conference Chair
9.00 am – 9.10 am	Briefing and OH&S: <i>Chris Carr, 12th AusIMM Underground Operators' 2014 Conference Chair</i>
9.10 am – 9.20 am	Official Opening and AusIMM Welcome: <i>Geoff Sharrock, President, The AusIMM</i>
9.20 am – 10.00 am	Keynote Presentation I: Effective Leadership Principles for the Mining Industry — <i>Charlie Sartain FAusIMM, Managing Director, Sartain Enterprises Pty Ltd</i>
10.00 am – 10.40 am	Keynote Presentation II: A Miner's Journey — <i>Steve Coughlan MAusIMM, Managing Director, Byrnecut Group Australia Pty Ltd</i>
10.40 am – 11.10 am	Morning Tea Break and Exhibition, Hall F
	Session 2: Development I Session Chair: Lucas Bottomley, Orica
	Proudly sponsored by: 
11.10 am – 11.35 am	Mine Development Optimisation – An Evolutionary Process — <i>J Kovacs</i>
11.35 am – 12.00 pm	Managing the Diamond Drilling Interactions in Commissioning the Ankata Underground Mine — <i>L Sandery and S Light</i>
12.00 pm – 12.25 pm	Piling and Raisebore Construction – Key Learnings from a Clients' Perspective — <i>S Green and R Austerberry</i>
12.25 pm – 12.50 pm	Development – Back to Basics — <i>I T Ross</i>
12.50 pm – 1.50 pm	Lunch Break and Exhibition, Hall F
	Session 3: Novel Experiences and Case Studies I Session Chair: Wayne Symes, Atlas Copco Mining and Rock Evacuation Australia
	Proudly sponsored by: 
1.50 pm – 2.15 pm	Sublevel Shrinkage – The Mt Wright Story — <i>D Mackay, S Long and A J Koen</i>
2.15 pm – 2.40 pm	Challenging the Norm – Alternative Excavation Method in Mining — <i>C Donnelly, G Ramage and R Burke</i>
2.40 pm – 3.05 pm	Management of High-pressure Groundwater in Underground Development at Ernest Henry Mine — <i>T Purvis, J Calverd and A-K Greve</i>
3.05 pm – 3.30 pm	The Paulsens Transformation – A Shining Light under a Northern Star — <i>C Jones</i>
3.30 pm – 4.00 pm	Afternoon Tea Break and Exhibition, Hall F
	Session 4: New Technologies and their Applications I Session Chair: Tony Napier, Becker Mining Systems
	Proudly sponsored by: 
4.00 pm – 4.25 pm	Developing the Foundation Communication Infrastructure to Support Remote and Automated Mining Initiatives in Underground Mines — <i>R Paine and D Kent</i>
4.25 pm – 4.50 pm	A Remotely Operated Robotic Rock-Breaker with Collision Avoidance for the Mining Industry — <i>A Boeing and E Douglas</i>
4.50 pm – 5.15 pm	Continuous Remote Emissions Monitoring – The Lynchpin for Air Quality Management — <i>F I Cox, T Bodisco and D Peeler</i>
5.15 pm – 7.15 pm	Welcome Reception, Hall F All attendees are invited to join us amongst the trade exhibition to enjoy post day one refreshments



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DAY 2 – Tuesday 25 March Adelaide Convention Centre Hall C

	Session 5: Safety Focus Session Chair: Johann van Wijk, AMC Consultants Pty Ltd	Proudly sponsored by: 
8.30 am – 9.10 am	Keynote Presentation III: RISKGATE and Underground Operations — <i>Philipp Kirsch AAusIMM, Associate Professor, Minerals Industry Safety and Health Centre (MISHC), Sustainable Minerals Institute, The University of Queensland. Co-authored by: M Shi, J Harris and D Sprott.</i>	
9.10 am – 9.35 am	Exclusion Zone Calculation for Underground Explosives Storage — <i>M B Lovitt</i>	
9.35 am – 10.00 am	The Application of Safescape Ladders at the Golden Grove and Cracow Operations — <i>S Durkin, L Musson and V Lawrence</i>	
10.00 am – 10.15 am	AusIMM Chartered Professional and BPEQ Presentations — <i>Chris Carr, 12th AusIMM Underground Operators' 2014 Conference Chair & Clare Murray, Board of Professional Engineers of Queensland</i>	
10.15 am – 10.45 am	Morning Tea Break and Exhibition, Hall F	
	Session 6: Production I Session Chair: Jim Tolley, Sandvik Mining	Proudly sponsored by: 
10.45 am – 11.10 am	Transition of the Ernest Henry Mine from Open Pit to Underground Sublevel Cave — <i>A T McGrath, A D Campbell and J B Tucker</i>	
11.10 am – 11.35 am	Improving Production Drilling and Blasting in the Kim South Orebody at Agnew Gold Mine — <i>T Carter</i>	
11.35 am – 12.00 pm	The Economic Advantages of Detailed Geotechnical Assessments for Extraction Sequencing — <i>A Bennett, S Arndt and P M Dight</i>	
12.00 pm – 12.25 pm	One Mile Underground – Mining the N3500 Orebody at Mount Isa Mines — <i>G Chitumbura, D Matthews, I Özen and S Jackson</i>	
12.25 pm – 1.25 pm	Lunch Break and Exhibition, Hall F	
	Session 7: Economics Session Chair: Paul Rouse, PYBAR Mining Services	Proudly sponsored by: 
1.25 pm – 2.05 pm	Keynote Presentation IV: Perspectives on Mineral Commodity Price Cycles and their Relevance to Underground Mining — <i>Dr Allan Trench MAusIMM, Professor, University of WA and Curtin University of Technology. Co-authored by: J P Syke.</i>	
2.05 pm – 2.30 pm	Mine Scenario Analysis and Mine Variable Value — <i>A J Hills, B E Hall and J Poniewierski</i>	
2.30 pm – 2.55 pm	Feasibility to Mine Completion – The Real Impacts on Project Economics — <i>A Harris, K Laughton and J Ranford</i>	
2.55 pm – 3.20 pm	Managing the Margin at Norseman, Western Australia - A Case Study — <i>B P Micke</i>	
3.20 pm – 3.50 pm	Afternoon Tea Break and Exhibition, Hall F	
	Session 8: Novel Experiences and Case Studies II Session Chair: Rod Bertram, RaiseBore Australia Pty Ltd	Proudly sponsored by: 
3.50 pm – 4.15 pm	Feasibility Studies – What Should be Considered in Terms of Ventilation — <i>J Kok</i>	
4.15 pm – 4.40 pm	Reduction of Airborne Dust on the E48 Extraction Level at Northparkes Mines — <i>C Vejrazka and A Wyllie</i>	
4.40 pm – 5.05 pm	Will Your Mine Require Cooling? — <i>A S Derrington</i>	
5.05 pm – 6.05 pm	Networking Hour, Hall F	Proudly sponsored by: 
7.00 pm for 7.30 pm	Official Conference Dinner, Adelaide Oval	Proudly sponsored by: 



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DAY 3 – Wednesday 26 March Adelaide Convention Centre Hall C

	Session 9: Production II Session Chair: David Gribble, Dyno Nobel Asia Pacific	Proudly sponsored by: DYNO Dyno Nobel
9.00 am – 9.25 am	Optimisation of the Paste Fill Cycle at Angas Zinc Mine, Strathalbyn, South Australia — <i>E K Chanda, M Karakus, J Light, B Cook and A Harris</i>	
9.25 am – 9.50 am	Precharging Sublevel Shrinkage Production Rings in Hot and Reactive Ground with Electronic Blasting Systems — <i>B Crowdey and J Wall</i>	
9.50 am – 10.15 am	A Holistic Viewpoint for Selecting the Vertical Haulage System – Shafts and Conveyors — <i>R M Krek and A E A Northcote</i>	
10.15 am – 10.40 am	Understanding the Role of Production Drilling and Drilled Stocks in Efficient Operation of a Sublevel Cave Mine — <i>C Beal</i>	
10.40 am – 10.45 am	AusIMM Mining Society Presentation — <i>Paul Harper, AMC Consultants, Pty Ltd</i>	
10.45 am – 11.15 am	Morning Tea Break and Exhibition, Hall F	
	Session 10: Development II Session Chair: Don Grant, BHP Billiton, Olympic Dam	
11.15 am – 11.40 am	Excavating the First Underground Gyrotory Crusher at the Deep Mill Level Zone Mine, PT Freeport Indonesia — <i>E Hernandez, W Kusumohastuti and I Agustian</i>	
11.40 am – 12.05 pm	An Overview of Surface Rock Support for Deformable Ground Conditions — <i>V Louchnikov, M P Sandy, O Watson, M Orunesu and V Eremenko</i>	
12.05 pm – 12.30 pm	Structural Analysis of Acoustic Televiewer Logs for Large Diameter Raisebored Shafts — <i>R M Stephenson and M P Sandy</i>	
12.30 pm – 12.55 pm	Challenges of Developing a Ventilation Shaft in Kalahari and Karoo Formations, Northern Cape, South Africa — <i>N C Steenkamp</i>	
12.55 pm – 1.55 pm	Lunch Break and Exhibition, Hall F	
	Session 11: New Technologies and their Applications II Session Chair: Anne-Marie Ebbels, SRK Consulting	
1.55 pm – 2.20 pm	Use of a Pre-existing Microseismic Monitoring System to Detect Trapped Miners with Reflections on Beaconsfield 2006 — <i>D Cumming-Potvin and P B Hills</i>	
2.20 pm – 2.45 pm	An Investigation of Expanding Split Sets in Weak Ground — <i>C Rossimel, G Davison and M Bouazza</i>	
2.45 pm – 3.10 pm	A Revolution in Raiseboring – The Development of the RBR900VF — <i>R J Wood</i>	
3.10 pm – 3.25 pm	Official Conference Close Chris Carr, 12th AusIMM Underground Operators' 2014 Conference Chair	

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