

13th AusIMM Underground Operators' Conference 2017

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DAY 1 – Monday 16 October 2017 | Southport I-III, The Star

8.30 am – 11.00 am	Session 1: Official Opening & Contracting and operating personnel Session Chair: Peter Hills FAusIMM(CP), Conference Chair, 13th AusIMM Underground Operators' Conference 2017	
8.30 am – 8.40 am	Welcome & OH&S: Peter Hills FAusIMM(CP), Conference Chair, 13th AusIMM Underground Operators' Conference 2017	
8.40 am – 8.50 am	Official Opening: Colin Moorhead FAusIMM(CP), President, the AusIMM	
8.50 am – 9.30 am	Keynote Presentation I: Australian contract mining – an operator's perspective of the future — Joe Luxford FAusIMM(CP), Managing Director, Trident Project & Mining Services Pty Ltd and Mark Adams MAusIMM, Senior Mine Manager, Pt Nusa Halmahera Minerals	
9.30 am – 10.10 am	Keynote Presentation II: Revolving doors — Paul Rouse MAusIMM, Executive Chairman, PYBAR	
10.10 am – 10.30 am	Innovations in underground hard rock operator efficiency – through simulation-based training technologies and processes — G K Karadjian, J A de la Torre and I R Cerna	
10.30 am – 10.50 am	Innovation in mining – a contractor's role — D Kilkenny	
10.50 am – 11.00 am	Questions & Discussion	
11.00 am – 11.30 am	Morning Tea and Exhibition, Gold Coast & Surfers Paradise Hall	
11.30 am – 1.05 pm	Session 2: Blasting technology Session Chair: John Tucker MAusIMM, Dyno Nobel Asia Pacific Pty Limited	Proudly sponsored by
11.30 am – 11.50 am	Improving calibration of flow models against SLC marker trials by linking blasting effects to particle mobility — A D Campbell and G R Power	
11.50 am – 12.10 pm	Blasting related indices as the key to underground blasting improvements in a challenging rock mass — J Jackson and E Sellers	
12.10 pm – 12.30 pm	The evolution of production blasts at Ernest Henry Mine — C te Kloot and Z Liu	
12.30 pm – 12.50 pm	Improving safety through technology – Orica wireless electronic blasting system trials at Ernest Henry Mine — C te Kloot, Z Liu, T Purvis, S Thomson, M Lovitt and T Nguyen	
12.50 pm – 1.00 pm	Questions & Discussion	
1.00 pm – 1.05 pm	AusIMM Mining Society Presentation — Adrian Pratt FAusIMM(CP), AusIMM Mining Society Committee Member	
1.05 pm – 2.05 pm	Lunch and Exhibition, Gold Coast & Surfers Paradise Hall	
2.05 pm – 3.40 pm	Session 3: Overseas projects and coal Session Chair: Mark Adams MAusIMM, Pt Nusa Halmahera Minerals	
2.05 pm – 2.25 pm	Hot water management at PT Nusa Halmahera Minerals' Toguraci mine — R Lawolo, J Isles, J Evert, A Valenza and S King	
2.25 pm – 2.45 pm	Rock fill consolidation for the extraction of sill pillar stopes at Toguraci gold mine — A Proudman, J Isles, R Lawolo and G Forster	
2.45 pm – 3.05 pm	The development of the Yaramoko gold project in Burkina Faso, West Africa — B Cope and Y Churi	
3.05 pm – 3.25 pm	Inflows into longwall mines from inundated overlying workings — G Klenowski and S Winter	
3.25 pm – 3.35 pm	Questions & Discussion	
3.35 pm – 3.40 pm	WIMnet Presentation — Maria Joyce, WIMnet Committee Member	
3.40 pm – 4.10 pm	Afternoon Tea and Exhibition, Gold Coast & Surfers Paradise Hall	
4.10 pm – 5.50 pm	Session 4: Productivity planning and costs Session Chair: Patrick McKenna MAusIMM, Sandvik Mining	Proudly sponsored by
4.10 pm – 4.30 pm	Telepresence – the application of remote control and automation technologies for increased safety and productivity — J Cronin	
4.30 pm – 4.50 pm	Productivity improvement through collaborative shift planning and tracking — E Deucker and A White	
4.50 pm – 5.10 pm	Towards an understanding of production costs at Australia's underground gold mines — S Ulrich, A Trench and S Hagemann	
5.10 pm – 5.30 pm	How a frontline planning and commitment system improves trust, commitment and results in operations — P Moynagh and G Brittain	
5.30 pm – 5.40 pm	Questions & Discussion	
5.40 pm – 5.50 pm	Day 1 Close Including Welcome Reception Sponsor Speech — Harry Hardy, Sandvik Mining	
5.50 pm – 7.50 pm	Welcome Reception, Gold Coast & Surfers Paradise Hall	Proudly sponsored by

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DAY 2 – Tuesday 17 October 2017 | Southport I-III, The Star

8.30 am – 11.05 am	Session 5: Occupational health, safety and environmental Session Chair: Mike Lovitt FAusIMM, Orica	Proudly sponsored by
8.30 am – 8.35 am	Day 2 Welcome	
8.35 am – 9.15 am	Keynote Presentation III: Learning from failure – pattern causes of fatal incidents in high hazard workplaces — <i>Michael Quinlan, Professor, UNSW Sydney</i>	
9.15 am – 9.35 am	Learnings from review of drawpoint management across New South Wales mines — <i>X Hill</i>	
9.35 am – 9.55 am	Fatigue risk in your operations – real or rubbish?... It actually depends — <i>B Haskins and T Dawson</i>	
9.55 am – 10.15 am	Emerging trends in injuries in the underground metalliferous sector – an analysis of Queensland data from 2006–2016 — <i>N LaBranche</i>	
10.15 am – 10.35 am	Eight days entrapped – PT Nusa Halmahera Mineral's rescue of a trapped miner — <i>K Kosmara, A Hilli and J Steyn</i>	
10.35 am – 10.55 am	Risk assessment tool for mines using diesel-powered equipment — <i>O Jones, A W Musk, A Reid and C Davis</i>	
10.55 am – 11.05 am	Questions & Discussion	
11.05 am – 11.30 am	Morning Tea and Exhibition, Gold Coast & Surfers Paradise Hall	
11.30 am – 1.20 pm	Session 6: Human Resources issues and innovations Session Chair: Wayne Symes AAusIMM, Atlas Copco	Proudly sponsored by
11.30 am – 12.10 pm	Keynote Presentation IV: The mining worker of the future – the impact of technology on people and their concepts of work and gender — <i>Lena Abrahamsson, Professor, Luleå University of Technology</i>	
12.10 pm – 12.30 pm	Attractive workplaces in future underground mining — <i>J Johansson and B Johansson</i>	
12.30 pm – 12.50 pm	Technology change in underground mining – things to consider — <i>A G L Pratt</i>	
12.50 pm – 1.10 pm	Mining automation human-systems integration – CMOC Northparkes case study — <i>R Burgess-Limerick, T Horberry, L Steiner and J Cronin</i>	
1.10 pm – 1.20 pm	Questions & Discussion	
1.20 pm – 2.20 pm	Lunch and Exhibition, Gold Coast & Surfers Paradise Hall	
2.20 pm – 3.50 pm	Session 7: Vertical development Session Chair: Gary Davey, DSI Underground	Proudly sponsored by
2.20 pm – 2.40 pm	Shaft construction at the Gold Fields Wallaby mine — <i>R A Murrell and J Graaf</i>	
2.40 pm – 3.00 pm	Vertical and inclined raise bore performance at Dugald River mine — <i>J F Carswell, G Reitsema and M Lee</i>	
3.00 pm – 3.20 pm	Improving the performance of blind uphole rises at Ernest Henry Mine – a case study — <i>T Purvis and Z Liu</i>	
3.20 pm – 3.40 pm	The CSA ventilation upgrade – geotechnical challenges and learnings — <i>D Sidea and T M Brettell</i>	
3.40 pm – 3.50 pm	Questions & Discussion	
3.50 pm – 4.20 pm	Afternoon Tea and Exhibition, Gold Coast & Surfers Paradise Hall	
4.20 pm – 5.50 pm	Session 8: Reserves and production Session Chair: Richard Yates, Caterpillar Inc.	Proudly sponsored by
4.20 pm – 4.40 pm	A simple and accurate method for Ore Reserve estimation and Mineral Resource depletion in caving mines — <i>A D Campbell</i>	
4.40 pm – 5.00 pm	Integrated drawbell and undercut scheduling using a computational tool at the grasberg block cave mine — <i>D Villa, C A Brannon, C A Dipas and H A Vega. Presented by Gustavo Pilger.</i>	
5.00 pm – 5.20 pm	Dingo – an optimisation tool to solve complex short interval control at Telfer underground mine — <i>S Graskoski. Presented by Daniel Bruce.</i>	
5.20 pm – 5.40 pm	The use of 3D laser scanning for deformation monitoring in underground mines — <i>E Jones and D Beck</i>	
5.40 pm – 5.50 pm	Questions & Discussion	
6.00 pm – 7.00 pm	Networking Hour, Gold Coast & Surfers Paradise Hall	Proudly sponsored by
7.00 pm for 7.30 pm	Conference Dinner, Pavilion Marquee, The Star	Proudly sponsored by

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DAY 3 – Wednesday 18 October 2017 | Southport I-III, The Star

9.00 am – 11.00 am	Session 9: Innovative ideas Session Chair: Bob Fulker MAusIMM(CP), Oz Minerals	Proudly sponsored by 
9.00 am – 9.05 am	Day 3 Welcome	
9.05 am – 9.45 am	Keynote Presentation V: Elphinstone – the first 40 years — <i>Dale Elphinstone, Executive Chairman, Elphinstone Group</i>	
9.45 am – 10.05 am	Productivity and safety improvements supported by MST's ImPact System at Glencore's Mount Isa Copper Operations — <i>J Bullock, D Kent and M Wilkinson</i>	
10.05 am – 10.25 am	Digital imaging provides valuable insights into underground development mining — <i>P Klaric, N Swart and S Barnes</i>	
10.25 am – 10.45 am	Mining industry state of play — <i>Stephen Durkin, Chief Executive Officer, the AusIMM</i>	
10.45 am – 10.55 am	Questions & Discussion	
10.55 am – 11.00 am	AusIMM Consultants Society Presentation — <i>Peter Hills FAusIMM(CP), AusIMM Consultants Society Committee Member</i>	
11.00 am – 11.30 am	Morning Tea and Exhibition, Gold Coast & Surfers Paradise Hall	
11.30 am – 1.20 pm	Session 10: Geotech Session Chair: Dallas Wilkinson FAusIMM, Minova APAC	Proudly sponsored by 
11.30 am – 12.10 pm	Keynote Presentation VI: Personal ruminations and insights (mining research engineer) – Underground Metalliferous Mining — <i>Gideon Chitombo MAusIMM, Professor and Chair of Minerals Industry Engagement (BRC), Sustainable Minerals Institute</i>	
12.10 pm – 12.30 pm	Optimisation of cemented rock fill strength for open stope support — <i>H Saw, R de Vries, J Player, R Hassell and E Villaescusa</i>	
12.30 pm – 12.50 pm	Development and implementation of a long tendon bolting system utilising resin grouting technology — <i>D Pateman and T Sprague</i>	
12.50 pm – 1.10 pm	Improving the prediction of stope hanging wall dilution – a critical factor to the success of Dugald River — <i>R Hassell, R de Vries, J Player and J F Carswell</i>	
1.10 pm – 1.20 pm	Questions & Discussion	
1.20 pm – 2.20 pm	Lunch and Exhibition, Gold Coast & Surfers Paradise Hall	
2.20 pm – 3.45 pm	Session 11: Safety innovation Session Chair: Chris Carr FAusIMM(CP), Independence Nova Pty Ltd	
2.20 pm – 2.40 pm	JumboGuard – automatic boom isolation system — <i>M Hill and J Dwyer</i>	
2.40 pm – 3.00 pm	Modern mining – why bandwidth matters — <i>D Kent</i>	
3.00 pm – 3.20 pm	Long hole plug – addressing the hazard of bogged rods in 'upholes' — <i>S Thomas, G Noonan and M Limbert</i>	
3.20 pm – 3.30 pm	Questions & Discussion	
3.30 pm – 3.45 pm	Conference Close — <i>Peter Hills FAusIMM(CP), Conference Chair, 13th AusIMM Underground Operators' Conference 2017</i>	