









# QUEENSLAND MINING INDUSTRY HEALTH AND SAFETY CONFERENCE 2024





## BACK TO THE FUTURE #QMIHSC2024

SUNDAY 18 AUGUST 2024			
TIME	SESSION		ROOM
10.00 – 18.30	Registration		Foyer
10.30 – 12.00	SSE Forum Southport room		Southport room
12.00 – 12.30	Lunch and exhibition		Event Centre Lawn
VENUE	Southport Room	Gold Coast Room	Surfers Paradise Room
12.30-14.30	<b>Stream 2: Incident Investigation – Effectiveness of control</b> <i>Steve Faulkner &amp; Nicole Gray, Thiess &amp; The Keil Centre</i>	<b>Stream 1: Why training goes wrong</b> <i>Paul Schott, Paul Schott Enterprises</i>	<b>Stream 3: Board of Examiners – how to give yourself the best chance</b> <ul style="list-style-type: none"> <li>• Adam Barton, Mine MMG</li> <li>• Deon Esterhuizen, RSHQ</li> <li>• Jacques Le Roux, RSHQ</li> <li>• Steve Watts, MEU</li> <li>• Matthew Way, Oakey Creek Coal</li> </ul>
14.30-15.00	Afternoon tea and exhibition		Marquee
15.00-17.00	<b>Panel Session: Back to the Future – how seemingly small, insignificant choices today can have a large or long lasting impact tomorrow</b> <ul style="list-style-type: none"> <li>• <b>Gavin Lawrence</b>, Australian Workers Union - Northern District Organiser</li> <li>• <b>Steve Watts</b>, Industry Safety and Health Representative, Mining and Energy Union</li> <li>• <b>Rae O'Brien</b>, Group Executive, Australia East Operations, Thiess</li> <li>• <b>Fiona Murfitt</b>, Vice President Sustainability (HSE, Risk &amp; Social Responsibility), Evolution Mining</li> <li>• <b>Jacques le Roux</b>, Chief Inspector of Coal Mines, Resources Safety &amp; Health Queensland</li> <li>• <b>Hermann Fasching</b>, Chief Inspector of Mines - Mineral Mines and Quarries and Chief Inspector of Explosives, Resources Safety &amp; Health Queensland</li> </ul>		Ballroom
17.00 – 21.00	<b>Welcome function and trade display</b> <i>Experience an unforgettable evening at the Queensland Mining Health and Safety Conference Welcome gathering. Network, reconnect, and unwind in the lively Exhibition marquee, where camaraderie and innovation abound. Join us for an exceptional kick-off to the conference, as we forge new connections and set the course for the future of mining health and safety.</i>  Proudly sponsored by 		Marquee & Terrace
From 21.00	Rescue station Cash bar available		Atrium Bar

**MONDAY 19 AUGUST 2024**




TIME	SESSION	VENUE	
7.30 – 18.00	Registration	Foyer	
8.00 – 8.45	Welcome with MC, Russell White <i>Proudly sponsored by</i>  Welcome to Country Conference Welcome by QMIHSC Conference Chair, Larnie Mackay Conference Opening – Minister for Resources, Hon Scott Stewart MP Welcome by Principal Sponsor, BMA BHP Mitsubishi Alliance	Ballroom	
8.45 – 9.30	<b>Keynote presentation:</b> Big Dreams, Small Margins <b>Matt Hall</b> <i>Proudly sponsored by</i> 		
9.30 – 10.15	<b>Keynote presentation:</b> Values and ethos when someone is shooting at you <b>Daniel Keighran VC</b>		
10.15 – 10.45	Morning tea and exhibition		Marquee
10.45 – 11.30	<b>Keynote presentation:</b> Reaching hearts and minds through leadership <b>Mariette Bylsma</b> <i>Proudly sponsored by</i> 		Ballroom
11.30 – 12.15	<b>Keynote presentation:</b> Back to the future – on the art of combining drone convergence data and digital modelling with the ancient art of rock whispering – lessons from the miraculous Sikyara Himalayan Tunnel rescue <b>Prof Arnold Dix</b> <i>Proudly sponsored by</i> 		
12.15 – 13.00	<b>Keynote presentation:</b> Organisational Failures – The Final Frontier. Using HRO Thinking to Achieve Reliability in Safety and Health <b>Susan Johnston</b> <i>Proudly sponsored by</i> 		
13.00 – 13.45	Lunch and exhibition <i>Proudly sponsored by</i> 	Marquee & Event Centre Lawn	
13.45 – 14.30	<b>Keynote presentation:</b> Patting the shark <b>Tim Baker</b> <i>Proudly sponsored by</i> 	Ballroom	
14.30 – 15.15	<b>Keynote presentation:</b> How to Boost Your Brain <b>Dr Helena Popovic</b>		
15.15 – 15.45	Afternoon tea and exhibition	Marquee	
15.45 – 16.30	Presentation of Legends Award	Ballroom	
16.30 – 17.05	Health program award presentations <i>Proudly sponsored by</i> 		
16.30 – 16.45	<b>Using live particle detection and monitoring to develop best practice for protecting mine workers from respirable particulate matter exposure</b> Scott Anderson, Buma Australia		



16.50 – 17.05	<b>EHS Cooling Kit</b> Dr Matt Brearley, Thermal Hyperformance	
17.05 – 18.30	Rescue station Cash bar available	
19.00 – midnight	<b>Informal dinner and appeal auction: Neon Nostalgia: An 80s Extravaganza</b> Get ready to turn back the clock and indulge in a blast from the past! Sponsored by uvex, this event promises to be a sensational celebration of the 80s! Mingle with industry colleagues, enjoy delicious food, and groove to the beats of live band Party Tricks, keeping you on your feet all night. But wait, there's more! Participate in our exciting bid-to-appeal auction, where all proceeds will generously support the chosen charity, ManUp. It's not just about having a great time; it's about making a difference!  Proudly sponsored by <b>uvex</b>	Ballroom
From midnight	Rescue station Cash bar available	Atrium Bar

TUESDAY 20 AUGUST 2024				
TIME	SESSION			ROOM
8.00 – 17.00	Registration			Foyer
8.15 – 8.30	Welcome with MC, Russell White Proudly sponsored by <b>TECHSERVE</b> MINING & ENERGY			Ballroom
8.30 – 9.30	<b>Learnings from the Industry</b> Colin Hoyle & Lee Earnshaw, Oaky North Underground, Glencore Coal & Peabody			
9.30 – 10.15	<b>Keynote presentation: The Power of Human Connection</b> <b>Anthony Laye</b> Proudly sponsored by <b>GLENCORE</b>			
10.15 – 10.45	Morning tea and exhibition			Marquee
10.45 – 12.25	Concurrent sessions			
Venue	Southport room	Gold Coast room	Surfers Paradise room	Coolangatta rooms 3-4
	<b>Concurrent session 1: Our Organisation</b> Proudly sponsored by 	<b>Concurrent session 2: Our Systems</b>	<b>Concurrent session 3: Our Systems</b>	<b>Exhibitor Innovations</b> Proudly sponsored by 
10.50 – 11.10	<b>Human and Organisational Factors in Incidents: A multi-year analysis of the NSW Mining Industry by the NSW Resources Regulator</b> Meghann Croome & Kylie Newton, The Keil Centre & NSW Resources Regulator	<b>Building a Strong Foundation for Fatal Risk Management: A Human-Centered Approach</b> George Karooz, Will Parfitt & Kimberly Ohmsen, Anglo American	<b>Enhancing Electrical Worker Safety through Arc Flash Risk Management and Power System Change Workflow</b> Emma Baumann & Oliver Lee, Waterline	10.50 – 11.10 <b>Exclusion Zone Lighting - Illuminating a Safer Future for Queensland Mines</b> Brendan Platt, Blackwoods
				11.15 - 11.30 <b>Ensuring Safety and Efficiency: The Critical Importance of Testing Onsite Mining Water Cannon and Foam Proportioning Equipment</b> Nick Foran, Fire Response
11.15-11.35	<b>Enhancing incident investigation quality using advanced investigation techniques</b> Simon Orton, SOAdvisory	<b>The use and control of polymeric chemicals at underground coal mines (RS16) review and exothermic risk research findings</b> Geoff Nugent & Glenn Aitchison, RSHQ & Simtars	<b>The Digitised Management Operating System: Information transparency and data analytics transforming decision making and safety</b> Grant Polwarth, Talisman	11.35-11.50 <b>Back to the future – Physical and Psychological Safety – Untapped Improvement Potential</b> Russell Churchett & Jacquie Hughes, SSE Co PTY Ltd

11.40-12.00	<b>Where rehabilitation meets health promotion - an on-site experience from Callide Coal Mine</b> <i>Naomi Rogers, Fatigue</i>	<b>Lessons from the Hudson: What US Airways Flight 1549 teaches us about resilience and the capacity to thrive under pressure</b> <i>Benjamin Reyes, Brady Heywood</i>	<b>Insights from an Auditor</b> <i>Scott Graham, Mineplex</i>	<b>11.55 – 12.10</b> <b>Synergizing Safety: The Transformative Power of Integrated Software in improving Process Safety Situational Awareness</b> <i>Rob Trout &amp; Yong The, ATSYS PTY Ltd. &amp; Dimension software</i>
12.05-12.25	<b>Stop telling us to be more resilient! Do personal resilience programs have a place in psychosocial hazard management?</b> <i>Nicole Gray, The Keil Centre</i>	<b>Understanding the TRG Hot Work - Welding and Hot Work Management best practices</b> <i>Simon Krismer, Welding Quality Management Systems</i>	<b>Catastrophic Hazard Assurance – Next Evolution of Assurance</b> <i>Kellie Wallis, Glencore</i>	<b>12.15 – 12.30</b> <b>Biomechanically Optimised Footwear Geometry Improves Slip Resistance Perception</b> <i>Caleb Wegener, Uvex Safety</i>
12.25 – 13.20	Lunch and exhibition			Marquee & Event Centre Lawn
13.00 – 13.20	Innovation and health program poster display			Event Centre Gallery
13.20 – 14.35	<b>Innovation award presentations</b> <i>Proudly sponsored by</i> 			Ballroom
13.20 – 13.35	<b>LiDAR Torpedo Probe (Centurion Mine Complex)</b> <i>Ashley Sauer, Peabody - Centurion Mine Complex</i>			
13.35 – 13.50	<b>RME Advanced Technology Mill Relining System</b> <i>Wayne Gregory Herbertson, Russell Mineral Equipment</i>			
13.50 – 14.05	<b>Tele-Remote Dozers on Coal Stockpiles</b> <i>Nathan Power, Anglo American</i>			
14.05 - 14.20	<b>Engine Bay Safe Work Platform</b> <i>Peter Grogan, Glencore, Clermont Open Cut</i>			
14.20 – 14.35	<b>Fit for Purpose Engineered tooling for dozer Idler replacements</b> <i>Kyle Hughes, Stanmore</i>			
14.35 – 15.05	Afternoon tea and exhibition			
15.05 – 16.30	Concurrent sessions			
<b>VENUE</b>	Southport room	Gold Coast room	Surfers Paradise room	
	<b>Concurrent session 4: Our People</b> <i>Proudly sponsored by</i> 	<b>Concurrent session 5: Our Systems</b>	<b>Concurrent session 6: Our Organisation</b>	
15.05 – 15.45	<b>Cancer and Mortality of Queensland Coal Mine Workers</b> <i>Deborah Glass, Monash University</i>	<b>Stop before you get tired</b> <i>Nicholas Mabbott, Beyond Midnight Consulting</i>	<b>Learning from NASA's Challenger and Columbia disasters</b> <i>Sean Brady, Brady Heywood</i>	
15.50 – 16.30	<b>Practical and Effective Field Treatment of Exertional Heat Stroke</b> <i>Matt &amp; Laura Brearley, Thermal Hyperformance</i>	<b>Rio Tinto's feedback on implementing process safety in the mining and metals industry</b> <i>Paul Shardlow, Rio Tinto</i>	<b>Risk management: Best practice contractor management in the resources industry</b> <i>Deanna McMaster &amp; Sarah Walters, MinterEllison</i>	
16.35 - 17.20	Student forum <i>Proudly sponsored by</i> 			Coolangatta room 4

<b>16.30 – 18.30</b>	<b>Exhibition Happy Hour</b> <i>Step into a world of creativity and connection at the Queensland Mining Health and Safety Conference Exhibition Happy Hour. Join us at the Exhibition marquee for a relaxed networking gathering, offering the chance to interact with colleagues, connect with sponsors and exhibitors, and delve into the latest advancements in the industry. Embrace the opportunity for collaboration and help shape the future direction of mining health and safety.</i>  <i>Proudly sponsored by</i> 	Marquee
<b>From 18.30</b>	Rescue station Cash bar available	Atrium Bar

<b>WEDNESDAY 21 AUGUST 2024</b>			
<b>TIME</b>	<b>SESSION</b>		<b>ROOM</b>
<b>7.30 – 17.00</b>	Registration		Foyer
<b>8.30 – 8.45</b>	Welcome with MC, Russell White <i>Proudly sponsored by</i> 		Ballroom
<b>8.45 – 9.30</b>	<b>Keynote presentation: Ripple Effect</b> <b>Joshua Jones</b>		
<b>9.30 – 10.15</b>	<b>Keynote presentation: Technology with a Human Soul</b> <b>Anders Sorman-Nilsson</b>		
<b>10.15 – 10.45</b>	Morning tea and exhibition	Marquee	
<b>10.45 – 12.15</b>	Concurrent sessions		
<b>VENUE</b>	Southport room	Gold Coast room	Surfers Paradise room
	<b>Concurrent session 7: Our People</b> <i>Proudly sponsored by</i> 	<b>Concurrent session 8: Our Systems</b>	<b>Concurrent session 9: Our Equipment</b>
<b>10.50 – 11.30</b>	<b>Accelerating Success in Psychosocial Risk Management: The Crucial Role of Psychological Safety</b> <i>Naomi Armitage &amp; Angela Dixon, Humanology Group</i>	<b>Critical Controls – Achieving Excellence</b> <i>Marcia Friend, Glencore</i>	<b>Lessons for the safe implementation of automation in mining</b> <i>Robin Burgess-Limerick, The University of Queensland</i>
<b>11.35 – 12.15</b>	<b>Improving spirometry to detect lung disease early</b> <i>Jarrod Warner, Resources Safety and Health Queensland</i>	<b>A structured approach to managing principal hazards and fatal risks</b> <i>Andrew Clough, Office of Commissioner for Resources Safety and Health</i>	<b>Electronic Blasting Systems Improving Safety &amp; Productivity</b> <i>Vishwa Bhushan &amp; Haydn Issac, RSHQ</i>
<b>12.15 – 13.15</b>	Lunch and exhibition		Marquee & Event Centre Lawn
<b>13.15 – 14.45</b>	Concurrent sessions		
<b>VENUE</b>	Southport room	Gold Coast room	Surfers Paradise room
	<b>Concurrent session 10: Our Environment</b> <i>Proudly sponsored by</i> 	<b>Concurrent session 11: Our Equipment</b>	<b>Concurrent session 12: Our Organisation</b>
<b>13.20 – 14.00</b>	<b>Heat stress in mining – Understanding the old and introducing the new</b> <i>Ross Di Corleto, Monitor Consulting Services</i>	<b>Enhancing Mine Safety and Operational Efficiency with Integrated Digital Twin and CAS-9 Alert Technology</b> <i>Dieter Haage, Anglo American</i>	<b>Lessons from BP’s Texas City Disaster</b> <i>Sean Brady, Brady Heywood</i>

14.05 – 14.45	<b>Risk-based RTW for dust lung diseases</b> <i>Dustin Bennett, GCG Health Safety &amp; Hygiene</i>	<b>Incident analysis through generative AI technology</b> <i>Ekin Eraydin &amp; Cem Caglar, Mine Guard AI</i>	<b>The state of safety reporting culture in Queensland's mining industry</b> <i>Andrew Clough &amp; Dr Amy Hawkes, Office of Commissioner for Resources Safety and Health &amp; Sentis</i>
14.45-15.15	Afternoon tea and exhibition		Marquee
15.15 – 16.45	Concurrent sessions		
<b>VENUE</b>	Southport room	Gold Coast room	Surfers Paradise room
	<b>Concurrent session 13: Our People</b>	<b>Concurrent session 14: Our People</b>	<b>Concurrent session 15: Our People</b> <i>Proudly sponsored by</i> 
15.20 – 16.00	<b>Use of medicinal cannabis in mining</b> <i>Danika Casey &amp; Chloe Mo, Corrs Chambers Westgarth</i>	<b>The Minerals Council of Australia Fatality Prevention Project</b> <i>Alana Morris &amp; Rodo DeBoer, Minerals Council of Australia &amp; Thiess</i>	<b>Mates In Mining - Preventing Suicide in Our Industry for Ten Years</b> <i>Chris Lockwood, Mates in Construction</i>
16.05 – 16.45	<b>Hidden Hazards and Evolution of Psychosocial Management - Critical, Complex and Emerging Factors for injury and fatality prevention</b> <i>Kanae Dyas &amp; Cameron Carr, Anglo American</i>	<b>Guideline for Managing the Risk of Workplace Sexual Harassment and Assault for the Queensland resources industry</b> <i>Lauren Rachele, KPMG</i>	<b>How autonomous and automated systems impact workers' situation awareness in the complex mining environment</b> <i>Loreto Codoceo, The University of Queensland</i>
16.45 – 18.30	Rescue station <i>Cash bar available</i>		Atrium Bar
19.15 – 19.45	Pre-dinner drinks		Gallery and terrace
19.45 - midnight	<b>Conference dinner – <i>Lumière Nocturne: A Masquerade Gala</i></b> <i>Experience an evening of elegance at the Queensland Mining Health and Safety Conference formal dinner. Step into a Masquerade-themed evening adorned in your finest formal attire and captivating mask. Enjoy exquisite food, engaging conversations, and dance to the vibrant melodies of Party Tricks. Sponsored by BHP Mitsubishi Alliance, this glamorous affair radiates elegance and excitement, promising an unforgettable experience.</i>  <i>Proudly sponsored by</i> 		Ballroom
From midnight	Rescue station <i>Cash bar available</i>		Atrium Bar