

# QUEENSLAND MINING INDUSTRY

**HEALTH AND SAFETY  
CONFERENCE 2023**

**DATE**

Sunday 20–Wednesday 23  
**August 2023**

**VENUE**

The Star  
**Gold Coast**

INSIDE  
**LOOKING  
OUT**







[www.qmihsconference.org.au](http://www.qmihsconference.org.au)

**#QMIHSC2023**



## QMIHSC CONFERENCE 2023 PROGRAM

SUNDAY 20 AUGUST 2023			
TIME	SESSION	VENUE	SPONSOR
10.00 – 18.30	Registration	Foyer	n/a
11.00 – 12.30	SSE Forum	Gold Coast room	
12.30 – 13.30	Lunch and exhibition	Marquee & Event Centre Lawn	
1.30 – 14.15	Plenary sessions Introduction by MC, Russell White	Ballroom	
	Conference Welcome by QMIHSC Conference Chair, Larnie Mackay		
	Conference opening – Minister for Resources, Hon Scott Stewart MP		
14.15 – 15.00	<b>Welcome Keynote presentation</b>	Ballroom	
15.00 – 15.45	Afternoon tea and exhibition	Marquee	
15.45 – 16.45	<b>Keynote presentation:</b> Neryl Joyce	Ballroom	
17.00 – 18.00	Rescue station <i>Cash bar available</i>	Atrium Bar	
18.00 – 22.00	Welcome function and trade display	Marquee & Terrace	
From 22.00	Rescue station <i>Cash bar available</i>	Atrium Bar	




## MONDAY 21 AUGUST 2023

TIME	SESSION	VENUE	SPONSOR
7.30 – 18.00	Registration	Foyer	n/a
8.00 – 8.15	Welcome to Day 2 with MC, Russell White	Ballroom	
	Welcome to Country		
	Welcome by Principal Sponsor, BMA BHP Mitsubishi Alliance		
8.15 – 8.45	Presentation of Legends Awards		
8.45 – 9.30	<b>Keynote presentation 2</b>		
9.30 – 10.15	<b>Keynote presentation:</b> Natasha Nunn		
10.15 – 10.45	Morning tea and exhibition	Marquee	
10.45 – 11.30	Plenary session	Ballroom	
11.30 – 12.15	<b>Keynote presentation:</b> Tim Baker		
12.15 – 13.00	<b>Keynote presentation:</b> Mike Lockwood		
13.00 – 13.45	Lunch and exhibition	Marquee & Event Centre Lawn	
13.45 – 14.30	<b>Keynote presentation 6</b>		
14.30 – 15.15	<b>Keynote presentation:</b> Dave Holland	Ballroom	
15.15 – 15.45	Afternoon tea and exhibition	Marquee	
15.50 – 17.05	Innovation award presentation	Ballroom	GLENCORE
17.10 – 17.45	Health program award presentations		
17.45 – 18.30	Rescue station <i>Cash bar available</i>	Atrium Bar	
19.00 – 23.00	Informal dinner and appeal auction	Ballroom	
From 23.00	Rescue station <i>Cash bar available</i>	Atrium Bar	




## TUESDAY 22 AUGUST 2023

TIME	SESSION	VENUE	SPONSOR	
7.30 – 18.00	Registration	Foyer	n/a	
8.00 – 8.45	Welcome to Day 3 with MC, Russell White	Ballroom		
8.45 – 9.30	<b>Keynote presentation:</b> Natalee Johnston			
9.30 – 10.15	<b>Keynote presentation:</b> Dr Catherine Ball			
10.15 – 10.45	Morning tea and exhibition	Marquee		
10.45 – 12.15	Concurrent sessions			
VENUE	Southport room	Gold Coast room	Surfers Paradise room	Coolangatta rooms 3-4
	<b>Our Environment (1A)</b>	<b>Our People (1B)</b>	<b>Our Systems (1C)</b>	<b>Exhibitor Innovations (1D)</b>
SPONSOR				
10.50 – 11.15	Real Time Dust Monitoring Activity  <i>Speaker: Tanya Miller, Anglo Coal-Moranbah North</i>	Collision awareness technology implementation - A human factors journey  <i>Speaker: Neil Pollard, Glencore Coal Assets Australia</i>	Dragline proximity awareness  <i>Speaker: Blair Whitney, Coronado Global Resources</i>	10:50 – 11:00
				Frictional Ignition Hazards (Redbolt project)  <i>Speaker: David McCloskey, NAUTITECH</i>
				11:05 – 11:15
11.20 – 11.45	Monitoring and CFD modelling of respirable mine dusts for a VR training tool  <i>Speaker: Prof Ting Ren, University of Wollongong</i>	Sexual harassment in Queensland's resources industry  <i>Speaker: Patrick Jensen, Resources Safety and Health Queensland</i>	Improving level 1 emergency exercises to enhance industry learnings and outcomes  <i>Speaker: Geoff Nugent, Resources Safety and Health Queensland</i>	ILO Chest X-Rays – Black Lung Screening  <i>Speaker: Adam Michael, I MED Radiology Network</i>
				11:20 – 11:30
				BHP Broadmeadows, Diesel Particulate Matter (DPM) OEL exceedance reduction program  <i>Speaker: Daniel Rose, Pinsar</i>
11:35 – 11:45				
11.50 – 12.15	Wearable sensors for continuous, real-time monitoring and risk assessment of mine workers health and safety	Advancing diversity and inclusivity in the mining industry - a human centred design approach	Beyond TARPS - the need for supporting systems	Time Matters: The science behind closed-circuit breathing protection  <i>Speaker: Mark Patterson, Draeger</i>
				12:00 – 12:10


	<b>Speakers:</b> Eleonora Widzyk-Capehart & Zachary Kiehl, Simtars & Sentinel Occupational Safety	<b>Speaker:</b> Danellie Lynas, The University of Queensland	<b>Speaker:</b> David Cliff, The University of Queensland	Pillar of Light <b>Speaker:</b> Ryan Hodder, Ultimate Led
<b>12.15 – 13.15</b>	Lunch and exhibition			Marquee & Event Centre Lawn
<b>13.00 – 13.15</b>	Innovation and health program poster display			Event Centre Gallery
<b>13.15 – 14.45</b>	Concurrent sessions			
<b>VENUE</b>	Southport room	Gold Coast room	Surfers Paradise room	Coolangatta rooms 3-4
	<b>Our Equipment (1E)</b>	<b>Our People (2B)</b>	<b>Our Systems (2C)</b>	<b>Our Organisation (1F)</b>
<b>SPONSOR</b>				
<b>13.20 – 13.45</b>	Aquila Mine hydraulic rock splitter  <b>Speaker:</b> Craig Kirkwood, Anglo American	Psychosocial risk management: A case study of a multidisciplinary approach  <b>Speakers:</b> Naomi Armitage & Christian Young, Humanology Group and Impress Solutions	QGL02 - Dust controls are like safety critical controls  <b>Speaker:</b> Samantha Forster, Resources Safety and Health Queensland	Steelmaking coal's underground mines journey  <b>Speaker:</b> Matthew Wakeford, Anglo American
<b>13.50 – 14.15</b>	Safety innovation in underground mining: Revolutionising lifting, slinging and manual handling  <b>Speaker:</b> John Fitzpatrick, Anglo American	Virtual simulations  <b>Speaker:</b> Mark Parcell, Mine Safety Institute of Australia	Using technology to drive a mindful organisation  <b>Speaker:</b> David Champion, Middlemount Coal	Mining in destresses strata environments  <b>Speaker:</b> Hugh McNamara, Anglo American
<b>14.20 – 14.45</b>	An investigation into slip forces associated with handling large off-road tyres  <b>Speaker:</b> Peter Knights, The University of Queensland	Digging deeper: Psychosocial safety in the resources industry  <b>Speakers:</b> Deanna McMaster & Rhian O'Sullivan, MinterEllison	Designing safety dashboards to facilitate learning  <b>Speaker:</b> Liam Bluett, Brady Heywood	Diagnostic baseline assessments and the journey towards HRO  <b>Speaker:</b> Susan Johnston, Sustainable Minerals Institute, The University of Queensland
<b>14.45 – 15.15</b>	Afternoon tea and exhibition			Marquee
<b>15.15 – 16.45</b>	Concurrent sessions			
<b>VENUE</b>	Southport room	Gold Coast room	Surfers Paradise room	Coolangatta rooms 3-4

	<b>Our Equipment (2E)</b>	<b>Our People (3B)</b>	<b>Our Systems (3C)</b>	<b>Our Organisation (2F)</b>	
<b>SPONSOR</b>					
<b>15.20 – 15.45</b>	<p>Practical applications of automation and remote operations</p> <p><b>Speakers:</b> Mark Dunn &amp; Luke Dyer, CSIRO &amp; Quantum Consulting and Engineering Group</p>	<p>What lessons can we learn from coronial reports to prevent repeat workplace incidents?</p> <p><b>Speaker:</b> Maureen Hassall, The University of Queensland MISHC SMI</p>	<p>A systems thinking investigation process to improve the way we learn</p> <p><b>Speaker:</b> Chantell Coetzee, Anglo American</p>	<p>The Boeing 737 MAX crashes: Learning from organisational failures in other industries</p> <p><b>Speaker:</b> Sean Brady, Brady Haywood</p>	
<b>15.50 – 16.15</b>	<p>Spray painting incident in dragline confined space</p> <p><b>Speaker:</b> Andrew Batterson, Resources Safety and Health Queensland</p>	<p>What good looks like: Understanding quality learning and training in the mining industry</p> <p><b>Speakers:</b> Dr Stephanie MacMahon &amp; Rodo De Boer, The University of Queensland &amp; Thiess</p>	<p>Fire resistance and anti-static testing of non-metallic materials used in coal mines</p> <p><b>Speakers:</b> Ahmad Abdullah &amp; Anilesh Rai, Simtars Resources Safety and Health Queensland</p>	<p>Safety reporting culture snapshot— Preliminary results from the Queensland Mining Industry Safety reporting survey</p> <p><b>Speaker:</b> Kate Du Preez, Commissioner for Resources Safety and Health</p>	
<b>16.20 – 16.45</b>	<p>Enabling silica analysis of respirable dust sampled by real-time gravimetric personal dust monitor</p> <p><b>Speaker:</b> Yonggang Jin, CSIRO</p>	<p>Just when you thought you could breathe again</p> <p><b>Speaker:</b> Kelly Johnstone, The University of Queensland SMI MISHC</p>	<p>Resources, Safety &amp; Health Queensland (RSHQ) going digital: The future of incident reporting</p> <p><b>Speakers:</b> Kevin Poynter &amp; Lionel Smith, Resources Safety and Health Queensland</p>	<p>What Woodstock 99' teaches us about the power of leadership and culture</p> <p><b>Speaker:</b> Jodi Goodall, Brady Heywood</p>	
<b>16.45 - 17.30</b>	Student forum			Garden Kitchen & Bar Deck	
<b>17.00 – 18.30</b>	Exhibition Happy Hour			Marquee	
<b>From 20.00</b>	Rescue station Cash bar available			Atrium Bar	

## WEDNESDAY 23 AUGUST 2023

TIME	SESSION		VENUE	SPONSOR
7.30 – 18.00	Registration		Foyer	n/a
8.30 – 8.45	Welcome to Day 4 with MC, Russell White		Ballroom	
8.45 – 9.30	<b>Keynote presentation 10</b>			
9.30 – 10.15	<b>Keynote presentation:</b> Wayne Schwass			
10.15 – 10.45	Morning tea and exhibition		Marquee	
10.45 – 12.15	Concurrent sessions			
VENUE	Southport room	Gold Coast room	Surfers Paradise room	
	<b><i>Our People (4B)</i></b>	<b><i>Our Systems (4C)</i></b>	<b><i>Our Equipment (3E)</i></b>	
SPONSOR				
10.50 – 11.15	<p>Why would you want to be a supervisor in the mining industry?</p> <p><b>Speakers:</b> John Lennon &amp; John Tate, Lennon Training &amp; Crown Law</p>	<p>Identifying organisational influences on repeated Incidents: A human factors, systems theory-based approach to learning from incidents</p> <p><b>Speaker:</b> Eryn Grant, Anglo American</p>	<p>Introducing the active explosion barrier complying to the RS21 in an ERZ-0 environment</p> <p><b>Speaker:</b> Arend Spath, Explospot Systems Australia</p>	
11.20 – 11.45	<p>Mine dust lung disease among Queensland mine and quarry workers</p> <p><b>Speaker:</b> Evan Pengelly, Resources Safety and Health Queensland</p>	<p>Is there a way to produce S.M.A.R.T.er recommendations from critical control and incident work?</p> <p><b>Speaker:</b> Maureen Hassall, MISCH SMI The University of Queensland</p>	<p>How AI can increase the safety of cranes</p> <p><b>Speakers:</b> Farhad Khezeli &amp; Yashar Javani, BH ore mine</p>	
11.50 – 12.15	<p>The implications of a hostile work environment provision for psychosocial risks in mining: The critical role of supervisors as bystander agents</p> <p><b>Speaker:</b> Dr Jacinta Buchbach, In Safe Hands Educators in Safety: Respect At Work</p>	<p>Safegas V5: Underground coal mine gas monitoring system development</p> <p><b>Speaker:</b> Dr Gareth Kennedy, Simtars, Resources Safety and Health Queensland</p>	<p>Identifying frictional ignition hazards</p> <p><b>Speaker:</b> David McCloskey, NAUTITECH</p>	

<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><i>Our People (5B)</i></b>	<b><i>Our Systems (5C)</i></b>	<b><i>Our Environment (2A)</i></b>
<b>SPONSOR</b>			
<b>13.20 – 13.45</b>	Trauma informed intersectional psychosocial risk management in WHS, bullying, sexual harassment discrimination  <b><i>Speaker: Kanae Dyas, Anglo American</i></b>	A practicable risk-based approach to RS22 implementation and ongoing compliance  <b><i>Speakers: Anthony Beasley &amp; Steven Amor, Jarah Corporate Pty Ltd</i></b>	Longwall Maingate and tailgate proactive sponcom and gas management strategy-safety share  <b><i>Speaker: B Belle, Anglo American</i></b>
<b>13.50 – 14.15</b>	Benchmarking on safety culture - lessons from Nike and Fortune 500 companies  <b><i>Speaker: Corrie Pitzer, Safemap</i></b>	Explosion risk exclusion zones around mine entries  <b><i>Speaker: David Carey, Queensland Mines Rescue Service</i></b>	Real time dust monitoring, simple as 1,2,3?  <b><i>Speaker: Dustin Bennett, Gcg Health Safety &amp; Hygiene</i></b>
<b>14.20 – 14.45</b>	The just culture decision tree: Work-as-done and work-as-imagined  <b><i>Speaker: Meghann Croome, The Keil Centre</i></b>	A practical methodology to identify critical controls  <b><i>Speaker: Chris Doran, Mitacom Pty Ltd</i></b>	Longwall extraction in the distressed zone above grasstree  <b><i>Speaker: Damien Cavanagh, Anglo Coal-Moranbah North</i></b>
<b>14.45 – 15.15</b>	Afternoon tea and exhibition		Marquee
<b>15.15 – 16.45</b>	Concurrent sessions		
<b>VENUE</b>	Southport room	Gold Coast room	Surfers Paradise room
	<b><i>Our People (6B)</i></b>	<b><i>Our Systems (6C)</i></b>	<b><i>Our Equipment (4E)</i></b>
<b>SPONSOR</b>			
<b>15.20 – 15.45</b>	The great role shift: Health, safety, environment, quality, security and (now) wellbeing  <b><i>Speaker: Meghann Croome, The Keil Centre</i></b>	How to manage competency for welding on mine sites?  <b><i>Speaker: Simon Krismer, WQMS Pty Ltd</i></b>	Improving underground mine hatch seals  <b><i>Speaker: Lawrence Webster, Anglo American</i></b>
<b>15.50 – 16.15</b>	Incidence of drugs of abuse within the Australian workforce subject to random drug testing	The Oaky North method - Safer sealing post longwall extraction	Micro gas chromatograph capabilities for ethylene detection in the Queensland coal mining industry

	<b>Speaker:</b> Dr Phil Tynan, Safework Health	<b>Speaker:</b> John Phillips, Glencore - Oaky North Underground	<b>Speakers:</b> Sean Muller & Fiona Clarkson, Simtars	
<b>16.20 – 16.45</b>	Power skills: do OHS and operational leaders have the skills to influence intergenerational teams and shape the future of high-risk work?  <b>Speaker:</b> Jennifer Jackson, Everyday Massive	Spontaneous combustion risk analysis: An overview of laboratory modelling  <b>Speaker:</b> Sebastian D’Hyon, Simtars, Resources Safety and Health Queensland	Our equipment: Technology supporting health and safety  <b>Speaker:</b> Brendan Platt, Blackwoods	
<b>17.00 – 18.30</b>	Rescue station Cash bar available		Atrium Bar	
<b>19.15 – 19.45</b>	Pre-dinner drinks		Gallery and terrace	
<b>19.45 - midnight</b>	Conference dinner		Ballroom	
<b>From midnight</b>	Rescue station Cash bar available		Atrium Bar	

**\*\* Program is subject to change**