

CONFERENCE THEME

'Realising Opportunities Together' - With 30 years of successful Conferencing behind us, we can't afford to be complacent, we must always look to the future and invest in any opportunity for consultation and cooperation between all sectors of the Mining Industry in Queensland.

If we are successful in uniting and harnessing the power of all industry sectors we can only imagine what outcomes might result.

These are exciting times – Mining will always be subject to the influences of climate extremes, local and global economics and supply and demand. All these factors make keeping focussed extremely difficult however the more closely we work together, the better we will be able to ride out the peaks and troughs which are endemic to our industry.

Health and Safety must always remain at the forefront of everything we do and by taking just a few days each year to attend this Conference we will be able to 'Realise Opportunities together'.

SUNDAY 19 AUGUST

10.00am - 6.30pm	REGISTRATION – Event Centre Gallery
12.30am - 1.30pm	LUNCH – Event Centre Lawn
1.30pm - 2.15pm	PLENARY SESSIONS – Gold Coast Room Introduction by Master of Ceremonies Russell White, Managing Director, Driver Safety Australia CONFERENCE WELCOME AND OPENING Luca Rocchi, Co-Chair, Queensland Mining Industry Health and Safety Conference 2018
2.15pm - 3.00pm	KEYNOTE PRESENTATION - Proudly Sponsored by Evolution Mining The Irony of Automation Dr Sean Brady, Managing Director, Brady Heywood Pty Ltd
3.00pm - 3.30pm	AFTERNOON BREAK AND TRADE DISPLAYS – Event Centre Marquee Proudly Sponsored by Cirlock Pty Ltd
3.30pm - 5.30pm	AFTERNOON SESSIONS - The Star Theatre - Proudly Sponsored by GLENCORE
3.30pm - 4.00pm	<i>Getting Back to Basics on Mine Safety</i> Kate du Preez, Commissioner, Office of the Commissioner for Mine Safety and Health
4.00pm - 5.30pm	TYRE FAILURE – RISK AND RESPONSE Carrying out routine tyre maintenance on mining equipment is the single most likely event to cause a fatality in an Australian mine. The statistics prove tyre maintenance is often a difficult, dangerous and hazardous task. This session will demonstrate the enormous amounts of energy that are released in a tyre
	explosion and highlight the relevant controls, why we need to have these in place to prevent such events occurring, and how such preventative measures have failed in the past. <i>To demonstrate these points a scenario will be enacted that provides an opportunity</i> <i>for both a coal and a metalliferous-based rescue team to demonstrate an emergency</i> <i>response to a catastrophic tyre failure.</i>
5.30pm - 5.45pm	Session Close Russell White, Master of Ceremonies, Managing Director, Driver Safety Australia
6.00pm - 9.00pm	WELCOME FUNCTION AND TRADE DISPLAYS – Event Centre Marquee Proudly Sponsored by Peabody
9.30pm - to late	THE RESCUE STATION – Atrium Bar

MONDAY 20 AUGUST



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7.30am - 6.00pm	REGISTRATION – Event Centre Gallery
8.15am - 5.30pm	PLENARY SESSIONS – Gold Coast Room
8.15am - 8.25pm	Introduction by Master of Ceremonies Russell White, Managing Director, Driver Safety Australia
8.25am - 8.45am	Presentation of the Queensland Mining Industry Health and Safety Conference Legends Award for 2018
8.45am - 10.15am	KEYNOTE PRESENTATIONS - Proudly Sponsored by Thiess Pty Ltd
8.45am - 9.30am	Helicopter Rescue Today, Tomorrow – Lessons Learned Steve Flanagan, Chief Aircrewman for RACQ CQ Rescue, Babcock Mission Critical Services Australasia
9.30am - 10.15am	Quality of Life Starts with Being Alive – Making Your Health a Priority Dr Rolf Gomes, Cardiologist, Founder of Heart of Australia
10.15am - 10.45am	MORNING BREAK AND TRADE DISPLAYS – Event Centre Marquee Proudly Sponsored by Cirlock
10.45am - 12.00pm	KEYNOTE PRESENTATION - Proudly Sponsored by New Hope Group
	Risk Management in a High-Speed World Craig Lowndes OAM, 6-time Bathurst winner, Australia's most popular racing driver, one of the most successful drivers in the sport's history and Road Safety expert, will be interviewed by Russell White, Managing Director, Driver Safety Australia.
12.00pm - 1.00pm	LUNCH AND TRADE DISPLAYS – Event Centre Lawn and Marquee Proudly Sponsored by Downer Mining
1.00pm - 2.45pm	Industry Sharing with Industry - Proudly Sponsored by GLENCORE Chaired by Darren Nicholls, Glencore Coal Assets Queensland, with participants from relevant sites. Continuing Industry's desire to learn from other sites' incidents and following past conference
	themes, this session will feature your fellow Mine Workers sharing the details of issues they have had on their sites. This is meant to be a grass roots session without "spin". A simple presentation on what occurred and if you went to that particular site now what you would find being done differently. It is for you to consider the relevance to your site and for you to determine if you have a similar exposure and if you have the controls to reasonably preclude a similar event.
2.45pm - 3.15pm	AFTERNOON BREAK AND TRADE DISPLAYS – Event Centre Marquee <i>Proudly Sponsored by Caterpillar</i>
3.15pm - 5.30pm	FACILITATED SESSION - Proudly Sponsored by Yancoal Facilitator: Kelly Higgins-Devine, Evening Presenter, ABC Radio Brisbane and Queensland.
	Disease Prevention in the Workplace – Who has a Role to Play?
	Robert Cohen, MD, Clinical Professor, Division of Environmental and Occupational Health Sciences, University of Illinois at Chicago School of Public Health, with a panel comprising: <i>Fritz Djukic</i> , Inspector of Mines (Occupational Hygiene), Department of Natural Resources, Mines and Energy
	Dr David Cleveland, Occupational Medicine Physician Registra, Sonic HealthPlus Stephen Smyth, District President, CFMEU M&E, Queensland Kylie Ah Wong, General Manager - Health, Safety & Training, Glencore Coal Assets Australia Maryann Wikpaki, General Manager Health, Safety, Environment & Community (HSEC) Relations Glencore North Queensland Heidi Roberts, Executive Director, Department of Natural Resources, Mines and Energy
5.30pm - 7.00pm	THE RESCUE STATION – Atrium Bar
7.00pm - 10.30pm	INFORMAL DINNER AND CHARITY AUCTION in aid of MATES in Mining Events Centre Ballroom - Proudly Sponsored by uvex safety Australia
10.30pm	THE RESCUE STATION – Atrium Bar

TUESDAY 21 AUGUST



7.30am - 6.00pm	REGISTRATION – Event Centre Gallery
8.30am - 4.45pm	PLENARY SESSIONS – Gold Coast Room
8.30am - 8.45am	Introduction by Master of Ceremonies Russell White, Managing Director, Driver Safety Australia
8.45am - 10.15am	KEYNOTE PRESENTATIONS - Proudly Sponsored by Mine Super
8.45am - 9.30am	The Queensland Mining Warden's Court. History, Current Impacts and Future Influences An Interview with the last Mining Warden, Frank Windridge, by John Tate, Barrister, Crown Law
9.30am - 10.15am	How Offering Help to a Mate is a Hell of a Lot Easier than it is for Your Mate to Put up His Hand and Ask for Help A look at Suicide Prevention in the Australian Mining Industry by Andrew McMahon, Chief Executive Officer, MATES in Mining

10.15am - 10.45am MORNING BREAK, POSTER AND TRADE DISPLAYS – Event Centre and Marquee *Proudly Sponsored by LifeAid Pty Ltd*

10.45am - 12.15pm CONCURRENT PAPERS

Gold Coast Room

COMPETENCIES FOR SUPERVISORS

Chair: **Greg Dalliston**, Industry Safety & Health Representative, CFMEU Mining and Energy Division Queensland Region

10.45 – 12.15pm Come and have your Say!

This is your opportunity to influence the standard of supervision in our industry. Over the last few years, the industry has had a number of serious and fatal accidents where effective supervision has been raised as a contributing factor.

This session will include a brief introduction to the

reasons why the review into the three units of competency (Risk Management, Accident Investigation and Communications) is being undertaken, with Industry, Department and Unions represented.

It will then be open to give attendees a chance to have input into a review of what skills and competencies the industry sees as being required to assist persons appointed as supervisors to ensure that the work under their care is conducted to an acceptable level of risk, their responsibilities and obligations to the workers being supervised and that safety and health related information is passed on to those continuing with that work at the mine.

The session will conclude with a summary of the issues raised which will be fed back into the Project Committee through the IRC, SSO and PWC.

Southport Room

HEALTH AND TECHNICAL

Proudly Sponsored by Cirlock

Chair: Lionel Smith, Regional Inspector of Mines, Department of Natural Resources, Mines and Energy

10.45 - 11.15am Whole-body Vibration Exposure in Dozer Operators Roseanne Baxter, Occupational

Therapist, Encompass Therapy and Holly Whitelaw, Data Collection Officer, Glencore Coal Assets Australia

11.20 – 11.45am The Evolution of Isolation Mark Spinks, Managing Director, Gridvision

11.50 – 12.15pm Continuous Monitoring of Whole-body Vibration Prof Robin Burgess-Limerick, Professor of Human Factors, The University of Queensland

Surfers Paradise Room

GENERAL / HUMAN FACTORS

Proudly Sponsored by Australian Diversified Engineering

Chair: Nikky LaBranche, Principal Mining Engineer, Simtars

10.45 – 11.15am

Not Just Another Tick in the Box Paul Shorthouse, Senior Training Officer, Simtars

11.20 – 11.45am

Journey to Financial Wellness - Increasing Employee Wellbeing, Productivity, Safety and Your Bottom Line Glenda Abraham, Chief Engagement Officer, Mine Super

11.50 - 12.15pm

What Leadership can Learn from the Largest Human Factors Review in Queensland Mining Cristian Sylvestre, Managing Director, HabitSafe

Coolangatta Rooms 1 & 2

EXHIBITOR PRESENTATIONS

Proudly Sponsored by Tutis Compliance Solutions

Chair: Chris Wright, Chief Executive Officer, Tutis Compliance Solutions

10.45 – 12.15pm Managing Workforce Skills Compliance to Improve Site Productivity

Heather Munro, Vice-President-Customer Success, Tutis Compliance Solutions

Making Gloves More User and Environmentally Friendly Michael Riggall, Director Business Development and Product Management Gloves, uvex safety Australia

Wet Roads: What is Safe and What do you Measure?

Eric Tomicek, Sales Manager, Australian Diversified Engineering

4PS Software – Taking Care of Business

Mick Storch, Managing Director, 4PS Software

Real-time Count of Nanoparticles in Diesel Exhaust and Ambient Air Conditions

Chris Russell, Product Manager, Industrial Safety and Gas, Thermo Fisher Scientific

Intrinsically Safe Dust Control System

Dr Dave Collins, Synergetics Consulting Engineers

Hot Spots - Early Detection of Conveyor Rollers Becoming a Fire Hazard

Mark Gleadhill, Manager, Cool Mine Pty Ltd

A New Level of Safety for Personal Gas Detection Peter Lowe, Regional Sales Manager-Eastern States, GasTech Australia

www.qldminingsafety.org.au



12.15pm - 1.15pm LUNCH AND TRADE DISPLAYS – Event Centre Lawn and Marguee 1.15pm - 2.45pm **CONCURRENT PAPERS Gold Coast Room Surfers Paradise Room Southport Room GENERAL / TECHNICAL** PROCTECTING RESPIRATORY HEALTH SAFETY TRAINING WORKSHOP Proudly Sponsored by Yancoal Proudly Sponsored by Resources Training Council Proudly Sponsored by Anglo American's Metallurgical Coal Business Chair: Snezana Bajic, Technical Services Manager, 1.15 - 2.45pm Chair: Maryann Wipaki, Manager HSEC, Glencore **Ensuring the Competency Needs of** Simtars North Queensland Industry are Met This Workshop will be coordinated by Jim Munro. 1.15 - 1.45pm 1.15 - 1.45pm Chief Executive Officer, Resources Training An Investigation Process that Enhances Pit to Port – Dust Management in Coal Council (RTC) **Risk Controls Plants and Beyond** Philippa Dodshon, PhD Student and Researcher, Evan Greenaway, Superintendent CHPP, Nationally recognised, competency-based training Sustainable Minerals Institute Anglo American Capcoal, and was introduced into Australia in the 1990s. The aim Anthony Duck, Operations Manager, of Training Packages and national gualifications Dust-A-Side Australia Pty Ltd was to ensure Australian industries could: · Identify the minimum skills and knowledge required by workers 1.50 - 2.15pm Issue qualifications to workers 1.50 - 2.15pm **Using Science to QUIT Geotechnical Hazard Awareness and** · Identify career paths for workers James Fletcher, Director, Safe & Healthy **Training Videos for Open Cut Coal Mines** · Ensure transferability of skills Prof Ismet Canbulat, Professor and Chair of Rock Mechanics, The University of New South Wales

After 30 years, have we achieved these goals?

The outcomes of recent reviews would suggest a lack of consultation with relevant industry stakeholders has resulted in Training Packages and qualifications that are in fact, not fit for purpose.

Fit for Purpose Outcomes

Through this Workshop, RTC will introduce you to 10235NAT Course in Field-based Training and Assessment and demonstrate how this "fit for purpose" program **should be reflected in all training** delivered to our industry internally or externally.

2.45pm - 3.15pm AFTERNOON BREAK AND TRADE DISPLAYS – Event Centre Marquee Proudly Sponsored by LifeAid Pty Ltd

2.20 - 2.45pm

Anglo American

3.15pm - 4.45pm CONCURRENT PAPERS

Gold Coast Room

Drone Technology: Safety and Innovation

Dr Joel Spencer, Chief Executive Officer,

The Institute for Drone Technology

UNDERSTANDING YOUR OBLIGATIONS

Proudly Sponsored by **Board of Professional** Engineers of Queensland

Chair: Hermann Fasching, Deputy Chief Inspector of Mines, Department of Natural Resources, Mines and Energy

3.15 - 3.45pm

2.20 - 2.45pm

in Mining

Are You Prepared? New Mandatory Labour-hire Licensing Scheme Set to Impact Queensland's Mining Sector Emma Gruschka, Senior Associate and Laura Regan, Consultant, Sparke Helmore Lawyers

3.50 – 4.15pm Cross Border Safety Opportunities – A Legal Perspective Kara Reynolds, Senior Associate, Herbert Smith Freehills

4.20 – 4.45pm

The Challenges of Managing an Impending Mine Closure Belinda Martin, SSE, Sibelco Australia Pty Ltd Proudly Sponsored by Fire Rescue Safety Australia Chair: Jim Randall, Executive General Manager -Mining, New Hope Group

Southport Room

SAFETY CULTURE

Polymeric Chemicals Used in Mining for

Ground Consolidation Works

Kristie Davies, Occupational Hygienist,

3.15 - 3.45pm

A Focus on Culture Delivers Big Safety Change

Kellen Timboe,

Account Manager, Caterpillar Solutions, Caterpillar of Australia and Adam Austin, Health and Safety Manager, HSE Mining

3.50 – 4.15pm Building the Next Generation of Safety Leaders Andrew Russell, Managing Director, Actrua

4.20 – 4.45pm The Role of Brain Chemistry in Mining Incidents Cristian Sylvestre, Managing Director, HabitSafe

Surfers Paradise Room SIMTARS

Proudly Sponsored by Simtars

Chair: Nick Ahlstrand, Executive Director, Simtars

3.15 - 3.45pm

2018 Level 1 Exercise Preliminary Feedback Martin Watkinson, Executive Mining Engineer, Simtars

3.50 - 4.15pm

Challenges Past Aleksinac Mine Disaster Dr Snezana Bajic, Technical Services Manager, Simtars

4.20 – 4.45pm Future Mining Research for the Queensland Government Dr Gareth Kennedy, Director, Mine Safety Technology Research Centre, Simtars

5.00pm till late THE RESCUE STATION – Atrium Bar

5.30pm - 6.30pm

STUDENT FORUM - This Forum will provide current students and/or recent graduates with the opportunity to engage in an informal Q&A session with senior members of industry from the private, union, public and regulatory sectors. Students will be able to raise health, safety and social licence to operate matters and hear from industry on how these challenges are being met.

7.00pm - 8.00pm WIMARQ Function and Presentation – The Star Gold Coast

FREE EVENING - Delegates to make their own Dining arrangements

WEDNESDAY 22 AUGUST

- 7.30am 6.00pm REGISTRATION Event Centre Gallery
- 8.30am 5.00pm CONCURRENT AND PLENARY SESSIONS 8.45am - 10.15pm CONCURRENT PAPERS

Gold Coast Room

RISK MANAGEMENT

Proudly Sponsored by RWW Group

Chair: **Steve Kovac,** Chief Operations Officer, Idemitsu Australia Resources

8.45 – 9.15am An Insight into Tyre Maintenance Critical Risk and Control Process Greg Glennon, Operations Manager, Otraco

International Pty Ltd

9.20 – 9.45am

Risk Assessment - Is Risk-taking Innate to Who We Are or is it Learned? Keith Haley, General Manager, Saraji Mine, BHP Billiton Mitsubishi Alliance

9.50 – 10.15am 'Focusing on the Critical Few'- ensuring 'Control Effectiveness'

Anthony Masciangioli, Director and Principal Consultant and Darren Head, Principal Consultant, Riskcom Pty Ltd

Southport Room

WELLBEING

Proudly Sponsored by Mine Super

Chair: Andrew McMahon, Chief Executive Officer, MATES in Mining

8.45 – 9.15am RESHAPE - A Healthy Weight Initiative: Next Steps

Associate Professor Carole James, Associate Director, Centre for Resources Health and Safety, The University of Newcastle

9.20 – 9.45am

Mental Health and Wellbeing in Mining Lyndonna Milroy, Occupational Therapist and Julia Mansfield, Health Coordinator, Glencore, Ernest Henry Mine

9.50 – 10.15am Critical Incident Leadership - Applying Best Practise Psychological First Aid Michael Stubley, Principal Consultant – Rapid Response and Geri Morrell, Client Manager – Resources Sector and Regional Queensland, Converge International

Surfers Paradise Room

THE REGULATOR

Proudly Sponsored by **4cRisk Occupational** Health Services

Chair: Matt O'Neil, Chief Operating Officer NQ, Glencore Copper Assets

8.45 - 9.15am

A Better Health Scheme for Coal Mine Workers: Working Together and What we have Learned

Heidi Roberts, Executive Director, Department of Natural Resources, Mines and Energy

9.20 – 9.45am

Looking Back to Develop a Pathway Forward - Using Industry Data Lionel Smith, Regional Inspector of Mines, Department of Natural Resources, Mines and Energy

9.50 – 10.15am Tests and Processes for Systems of Work Steve Hedges, Senior Vice President Open-cut Operations, Peabody and David Champion, Safety Manager, Millennium Mine, Peabody

10.15am - 10.45am MORNING BREAK – Event Centre Gallery - Proudly Sponsored by Caterpillar

10.45am - 12.15pm CONCURRENT PAPERS

Gold Coast Room RESPIRATORY HEALTH

Proudly Sponsored by KINNECT

Chair: **Dr Robert Cohen**, MD, Clinical Professor, Division of Environmental and Occupational Health Sciences, University of Illinios

10.45 – 11.10am Improving Respirable Coal Dust Exposure Monitoring and Control -ACARP Project C26048

Nikky LaBranche, Principal Mining Engineer, Simtars

11.15 – 11.40am

Dust Exposures in Queensland Surface Coal Mines: 2001 – 2017

Fritz Djukic, Inspector of Mines (Occupational Hygiene), Department of Natural Resources, Mines & Energy

11.45 – 12.00pm

Approaches to Control Worker Dust Exposure During Maintenance Activities Where Compressed Air is Used to "Clean" Equipment Simon Worland, Occupational Hygienist

Southport Room EMERGING OPPORTUNITIES

Proudly Sponsored by Thiess Pty Ltd

Chair: **Dr Gareth Kennedy**, Director, Mine Safety Technology Research Centre, Simtars

10.45 – 11.10am Proximity Advisory System Interface Design

Prof. Robin Burgess-Limerick, Professor of Human Factors, Minerals Industry Safety and Health Centre, The University of Queensland

11.15 - 11.40am

Collision Awareness - Capability of Underground Mine Vehicle Proximity Detection Systems André De Kock, Research Manager, Simtars

11.45 – 12.00pm ACARP - What We have Achieved and What are our Priorities for the Future Patrick Tyrrell, ACARP

Surfers Paradise Room TECHNICAL / VENTILATION MANAGEMENT

Proudly Sponsored by OCTIEF

Chair: Glen Britton, Executive Head of Underground Operations, Anglo American Metallurgical Coal

10.45 – 11.10am What Else is in a Goaf? Dr Fiona Clarkson, Research Scientist, Simtars

11.15 – 11.40am

ACARP 26070 Industrialisation of Proof of Concept Wall Flow DOC/DPF System Nick Coplin, General Manager, Engineering Services, Orbital Australia Pty Ltd

11.45 – 12.00pm

How Blocked Gas Detectors Change the Apparent Concentration of Gas Dr Ian Webster, Group Engineering Manager, Ampcontrol Pty Ltd



12.15pm - 1.15pm	LUNCH – Event Centre Lawn
1.15pm - 2.45pm	INNOVATION PRESENTATIONS 1 - Gold Coast Room Proudly Sponsored by Anglo American's Metallurgical Coal Business
	Tailings Dam Capping Scoop
	Matthew Bahr, Operations Supervisor, Peabody Wilkie Creek Mine Pneumatic Conveyed Stone Dusting System
	Almeroe de Nysschen, Graduate Mechanical Engineer, Glencore - Oaky Creek North Colliery
	Pin Insertion Tool
	Wayne Zimmerman, Safety and Training Coordinator, Peabody Wilkie Creek Mine Grasstree Development Team Dust Suppression
	Simon Burnett, Development Mechanical Coordinator and Steven Henderson, Development Mechanical Trades Supervisor, Anglo American - Grasstree Mine
	T282C Hytorc Reaction Post Set
	Warren Metz, Graduate Engineer – Mechanical and Matthew Garlando, Manager – Maintenance, Thiess
2.45pm - 3.15pm	AFTERNOON BREAK – Event Centre Gallery Proudly Sponsored by Breathe Safe Air Quality Management
3.15pm - 4.30pm	INNOVATION PRESENTATIONS 2 - Gold Coast Room
	Proudly Sponsored by Anglo American's Metallurgical Coal Business
	Slide in Rollers Troy O'Reilly, Risk & Compliance Advisor, Mining Operations, Stanwell Corporation Limited
	Mobile Bolting Platform for Installing Roof Support above an Operational
	Conveyer System Michael Donnelly, Outbye Mining / Stonedust Coordinator, Glencore - Oaky Creek North Colliery
	Limiting Respirable Dust Exposure During Maintenance Activities
	David Roberts, Maintenance Fitter and Dave Champion, HSET Manager, Peabody-Millennium Mine
	Data Log Hydraulic Tuning of Excavators Jon Noble, Health Safety and Training Manager, Glencore - Clermont Open Cut Mine
	"Barrel Mate" Pump Barrel Rebuild Station Michael Lennon, Mechanical Technician and Glen Jacob, Mechanical Technician, Evolution Mining - Mt Rawdon
4.30pm - 5.00pm	PRESENTATIONS ON THE SUCCESS OF PREVIOUS INNOVATION FINALIST SUBMISSIONS
	Remote Grease Pressure Release System - Downer Mining (2014 Finalist) Eric Tomicek, Global Sales Manager, Australian Diversified Engineering
	Portable Chilled Air for Underground Mining – Anglo American (2016 Winner) Mark Gleadhill, Manager, Cool Mine Pty Ltd
	Ventilation Model for Training – Glencore (2016 Peoples' Choice Winner John Phillips, Director, Zephyr Mining
5.00pm - 5.15pm	Session Close
	Russell White, Master of Ceremonies, Managing Director, Driver Safety Australia
5.15pm - 6.30pm	THE RESCUE STATION – Atrium Bar
6.45pm - 11.00pm	CONFERENCE DINNER - INNOVATION and HEALTH PROGRAM AWARDSPresentations - Event Centre Ballroom - Proudly Sponsored by GLENCOREGLENCORE
6.45pm - 7.25pm	PRE-DINNER DRINKS – Event Centre Gallery
7.25pm - 11.00pm	CONFERENCE DINNER
11pm	THE RESCUE STATION – Atrium Lobby Bar

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The presenters, topics and times are correct at the time of printing and, in the event of unforeseen circumstances, the Conference Committee reserves the right to alter or delete items from the program.