

Conference Program



This program has been developed to offer you the opportunity to meet like-minded industry professionals; to listen to topical and high-quality presentations on a range of topics of immediate interest and relevance, and time to network with industry colleagues – old and new.

SUNDAY 18 AUGUST

10.00am - 6.30pm **REGISTRATION – Event Centre Gallery**

12.30pm - 1.30pm **LUNCH – Event Centre Lawn - Available for sponsorship**

1.30pm - 2.15pm **PLENARY SESSIONS – Event Centre Ballroom**

Introduction by Master of Ceremonies

Russell White, Master of Ceremonies, Managing Director, Driver Safety Australia

CONFERENCE WELCOME

Greg Dalliston, Chair, Queensland Mining Industry Health and Safety Conference 2019

CONFERENCE OPENING

The Honourable Dr Anthony Lynham, Minister for Natural Resources, Mines and Energy



2.15pm - 3.00pm **KEYNOTE PRESENTATION - Proudly Sponsored by Evolution Mining**
Life Beyond Fear

Mark Mathews, Keynote Speaker, Professional Big Wave Surfer, LifeStyle Productions Pty Ltd



3.00pm - 3.45pm **AFTERNOON BREAK AND TRADE DISPLAYS – Event Centre Marquee**
Proudly Sponsored by Cirlock



3.45pm - 4.45pm **KEYNOTE PRESENTATION - Proudly Sponsored by Evolution Mining**
THE WAKE UP CALL...The Game Changer

Paul Spinks is the Game Changer: The Wake Up Call: Paramedic + Trauma Counsellor + Speaker



5.00pm - 6.00pm **THE RESCUE STATION – Atrium Bar**

6.00pm - 9.00pm **WELCOME FUNCTION AND TRADE DISPLAYS – Event Centre Marquee**
Proudly Sponsored by Peabody Australia



9.30pm **THE RESCUE STATION – Atrium Bar**



MONDAY 19 AUGUST

- 7.30am - 6.00pm** **REGISTRATION – Event Centre Gallery**
- 8.00am - 5.30pm** **PLENARY SESSIONS – Event Centre Ballroom**
- 8.00am - 8.10am** **Daily Introduction by Master of Ceremonies**
Russell White, Managing Director, Driver Safety Australia
- 8.10am - 8.15am** **Welcome by Principal Sponsor - AngloAmerican**
Tyler Mitchelson, CEO Metallurgical Coal, AngloAmerican
- 8.15am - 8.45am** **Presentation of the Queensland Mining Industry Health and Safety Conference Legends Award for 2019**
- 8.45am - 10.15am** **KEYNOTE PRESENTATIONS – Proudly Sponsored by Thiess**
- 8.45am - 9.30am** **Choices and Consequences – A discussion with Brant ‘Bugsy’ North**
Brandt ‘Bugsy’ North, Safety Ambassador/Choices and Consequences Presenter, Downunder Group Solution
Mark Parcell, Sole Director, Mine Safety Institute of Australia (interviewer)
- 9.30am - 10.15am** **An Industry Without Fatalities**
Natascha Viljoen, Group Head of Processing, AngloAmerican
- 10.15am - 10.45am** **MORNING BREAK AND TRADE DISPLAYS – Event Centre Marquee**
Proudly Sponsored by Cirlock
- 10.45am - 12.45pm** **Industry Sharing with Industry**
In continuing with the desire from industry to share in key learnings from site-related incidents and following on from the themes of previous conferences, this session will be an open forum from people (within the industry) who will be talking about key issues and challenges faced at times on their site.

This session will be a grass roots session without “spin”. A simple presentation outlining what occurred and what changes have been implemented to ensure that things are being done differently. It is for you to consider the relevance to your site and determine if you have a similar exposure, and the controls in place to reasonably preclude a similar event.
Facilitator: Damien Wynn, General Manager and Senior Site Executive, AngloAmerican - Grasstree Mine
Sharing their Experiences:
Grader Fatality Incident and Tree Felling Multiple Injury Incident
Paul Stephan, General Manager and SSE, Anglo American Moranbah North Mine
North Goonyella Spontaneous Combustion Event
Peter Baker, Senior Vice President, Underground Operations, Peabody Australia
Drill Rig Incident at Bulgar Open Cut, New South Wales
Jeff Kelly, Operations Manager, Glencore
- 12.45pm - 1.30pm** **LUNCH AND TRADE DISPLAYS – Event Centre Marquee**
Available for sponsorship
- 1.30pm - 3.00pm** **INNOVATION PRESENTATIONS – Session 1 – Proudly Sponsored by Glencore**
Five Finalists selected from the First Round of Judging
- 3.00pm - 3.30pm** **AFTERNOON BREAK AND TRADE DISPLAYS – Event Centre Marquee**
Proudly Sponsored by Mastermyne Group Ltd
- 3.30pm - 4.45pm** **INNOVATION PRESENTATIONS – Session 2 – Proudly Sponsored by Glencore**
Five Finalists selected from the First Round of Judging

TECHSERVE
MINING & ENERGY

AngloAmerican

THIESS

CIRLOCK
LOCKOUT / TAGOUT EQUIPMENT

GLENCORE

mastermyne
Group of Companies

GLENCORE

4.45pm - 5.00pm **PRESENTATION FROM LAST YEAR'S INNOVATION AWARD WINNER**
Grasstree Development Team Dust Suppression
 Simon Burnett, Development Mechanical Coordinator, AngloAmerican – Grasstree Mine

5.00pm - 6.30pm **THE RESCUE STATION – Atrium Bar**

7.00pm - 7.30pm **Pre-Dinner Drinks – Event Centre Gallery and Terrace**

7.00pm - 11.00pm **INFORMAL DINNER AND CHARITY AUCTION in aid of Motor Neurone Disease Research**
Event Centre Ballroom – Proudly Sponsored by uvex safety Australia



11.00pm **THE RESCUE STATION – Atrium Bar**

■ TUESDAY 20 AUGUST

7.30am - 6.00pm **REGISTRATION – Event Centre Gallery**

8.30am - 4.45pm **PLENARY SESSIONS – Event Centre Ballroom**

8.30am - 8.45am **Daily Introduction by Master of Ceremonies**
 Russell White, Managing Director, Driver Safety Australia



8.45am - 10.15am **KEYNOTE PRESENTATIONS – Proudly Sponsored by G&S Engineering Services**

8.45am - 9.30am **Respirable Dust - Rumfeld was Right!**
 Brett Garland, Director and David Cliff, Professor of OHS in Mining, Minerals Industry – Minerals Industry Safety and Health Centre, Sustainable Minerals Institute, The University of Queensland



9.30am - 10.15am **A Complex Balancing Act, Building a Second Life**
 Dr. Gill Hicks AM MBE, Founding Director, M.A.D. Minds

10.15am - 10.45am **MORNING BREAK AND TRADE DISPLAYS – Event Centre Marquee**
Available for sponsorship

10.45am - 12.15pm **CONCURRENT PAPERS**

Southport Room

Gold Coast Room

Surfers Paradise Room

UNDERGROUND COAL

10.45 – 11.15am
Detection of Underground Self-Heating Zones Using Radon Techniques
Professor Jianming Wu,
 Visiting Professor of University of Wollongong and Director of AST Australia and
A/Professor Ting Ren,
 Director of Centre of Infrastructure Protection and Mining Safety, University of Wollongong

11.20 – 11.45am
Ignitability and Explosion Severity of Australian Coals
Negar Fasihiani,
 Project Engineer, Department of Natural Resources, Mines and Energy (Simtars)

11.50 – 12.15pm
Best Practice Gas Monitoring
Snezana Bajic,
 Technical Services Manager and
Martin Watkinson,
 Executive Mining Engineer, Department of Natural Resources, Mines and Energy (Simtars)

CULTURAL IMPROVEMENT

10.45 – 11.15am
Hazard Reporting and Innovation: A Cultural Journey
Adrian Clarke,
 SHE Manager and
Toni Oliva,
 HR Manager, AngloAmerican.

11.20 – 11.45am
Switching on Integrated Safety Systems in Glencore's North Queensland Copper Assets
Simon Pope,
 Chief Mining Officer, Glencore North Queensland Copper Assets
 and
Andrew Russell,
 Managing Director, Actrua Performance Cultures

11.50 – 12.15pm
Meeting the Challenges of Caring for Dust Disease Victims in Our Coal Mines
James Pearce,
 Advocate, Black Lung Victims Support Group

HEALTH

10.45 – 11.15am
Management of Diesel Exhaust in Underground Mines
Mark Desira,
 Inspector of Mines - Occupational Hygiene and
Fritz Djukic,
 Inspector (Occupational Hygiene), Department of Natural Resources, Mines and Energy

11.20 – 11.45am
Reactive to Proactive - An Early Intervention Approach to Health Promotion
Dr. Rolf Gomes,
 Founder and Cardiologist, Heart of Australia Corporate Health Initiative

11.50 – 12.15pm
Evidence-Based Psychological Risk Management
Genevieve Hey,
 Director/Principal Consultant, Genevieve Hey Consulting Pty Ltd

10.45am - 12.15pm **CONCURRENT PAPERScontinued**

Coolangatta Room

EXHIBITOR PRESENTATIONS

10.45 – 12.15pm

Systemisation Eliminating Human Error

Mick Storch, Managing Director, 4PS Software

Personnel De-dusting System as a Powerful Tool for Prevention of Occupational Dust Related Diseases

Olha Lyeskakova, Chief Marketing Officer, Mideco

Measure Haul Road Friction Using an iPhone

Eric Tomicek, Sales Manager, Australian Diversified Engineering

Safety Glasses - Lens Coatings, Tints and New Designs

Jon Fleming, Director of Sales and Marketing and **Michael Tamone**, State Sales Manager - Queensland, uvex safety Australia

Telemetry and Detector Response Times

Tim Mills, Product Manager – Environmental Monitoring, Ampcontrol

Raising Workers' Awareness of Respirable Dust Exposure Using Real-time Monitoring and Video Analysis

Luke Ripper, Senior Occupational Hygienist, GCG Health Safety & Hygiene

Innovative Chemistries for Controlling Dust in the Coal Mining Industry

Daniel Grundy, General Manager, GRT

Exclusive Platinum AF/AS Coating

Craig Yuile, National Business Development Manager, Bolle Safety

12.15pm - 1.15pm **LUNCH AND TRADE DISPLAYS – Event Centre Lawn and Marquee**

Available for sponsorship

1.15pm - 2.45pm **CONCURRENT PAPERS**

Southport Room

SURFACE FATAL RISKS

1.15 – 1.45pm

Our Approach to Fire Prevention and Fire Suppression on Haul Trucks

Matthew Pederson-Howard, Vice President, Safety and Health, Peabody and
Adam Schloss, Production Superintendent, Peabody Australia

1.50 – 2.15pm

Fatal Hazards and Critical Controls in Surface Coal Mines

Creswick Bulger, Senior Inspector of Mines, Department of Natural Resources, Mines and Energy

2.20 – 2.45pm

A Study to Investigate Uncontrolled Tyre and Rim Disassembly

Dr. Tilman Rasche, Principal Mining Engineer, Department of Natural Resources, Mines and Energy

Gold Coast Room

CULTURAL IMPROVEMENT

1.15 – 1.45pm

Understanding Human Decision Making to Future-Proof Safety Behaviour

Cristian Sylvestre, Managing Director, HabitSafe

1.50 – 2.15pm

Managing Cognitive Fatigue and Brain-Centred Hazards

Warren Smith, Executive Consultant, Dekra Insight Australia

2.20 – 2.45pm

Surface Zones: Coordination of Multiple Work Areas

Ian Hawkins, Seam Gas Manager, AngloAmerican – Moranbah North Mine

Surfers Paradise Room

FITNESS FOR WORK

1.15 – 1.45pm

Circadian Rhythms and Fatigue

Dr. Andrew Lingwood, Director and Consultant Occupational and Environmental Physician, OccPhyz Consulting

1.50 – 2.15pm

Workplace Wastewater Drug Testing - A Real-Time Snapshot of Actual Drug Use Rates in Australia

Nathan Brown, Chief Scientist Victoria and
Dr Philip Tynan, National Toxicologist, Safe Work Laboratories

2.20 – 2.45pm

Take Out the Guesswork - Reduce Fatigue, Enhance Wellbeing

Mark Holmes, Chairman, Circadian Australia

Coolangatta Room

SAFETY TRAINING WORKSHOP

1.15 – 2.45pm

Complacency Kills!

The provision of information, instruction, training and supervision is an essential component of any risk management strategy. A robust training and assessment program is fundamental to the safety of not only those conducting tasks, but also other workers and people who may be affected by their work.

Can our training and assessment programs be more robust? Have we let complacency slip in? Have we stopped training and assessing in some areas because "it hasn't happened for a while"?

During this Workshop, coordinated by the Resources Training Council, we will explore these questions and more.

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



3.15pm - 4.45pm CONCURRENT PAPERS

Southport Room

Gold Coast Room

Surfers Paradise Room

DUST IMPACTS – MINES AND QUARRIES

3.15 – 3.45pm

Inhalable Dust: Nuisance or Health Hazard?

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

3.50 – 4.15pm

Assessment of the Implementation of QGL02

Greg Manthey,
Inspector of Mines – Occupational Hygiene, Department of Natural Resources, Mines and Energy

4.20 – 4.45pm

Respirable Crystalline Silica in Mining

Darren Marinoff,
Principal Consultant – Occupational Hygiene, Greencap

CULTURAL IMPROVEMENT - CONTINUED

3.15 – 3.45pm

LEAD Safety Culture: A Practical Toolkit for the Mining Industry

Dr. Tristan Casey,
Lecturer, Griffith University

3.50 – 4.15pm

Behavioural Safety: Using Predictive Analytics to get More from Your Safety Observations

David Pope,
Principal, POPEHSE Pty Ltd

4.20 – 4.45pm

Safety Differently - What is it, and Will it Work in Mining?

Christian Young,
Managing Director, Impress Solutions Pty Ltd

FITNESS FOR WORK

3.15 – 3.45pm

Safety Norms Predict Reported Risk-Taking Among Australian Coal Miners: An Exploratory Longitudinal Analysis

Dr. Rebecca Allen,
Researcher, School of Psychology, The University of Newcastle

3.50 – 4.15pm

Mental Health, Drug Use and Fatigue - Managing the Dangerous Synergy with an Integrated FFW Program

Dr. Philip Tynan,
National Toxicologist, Safe Work Laboratories and
Dr. Naomi Rogers, Sleep and Fatigue Specialist, Naomi Rogers Fatigue

4.20 – 4.45pm

Health-e Mines: Virtual Health System to Improve Mental Health

Prof. Frances Kay-Lambkin,
NHMRC Senior Research Fellow, The University of Newcastle

4.45pm - 7.00pm STUDENT FORUM - Coolangatta Room

5.00pm - 6.00pm EXHIBITION 'Happy Hour' among Trade Displays in Event Centre Marquee
Available for sponsorship

7.00pm - 8.30pm WIMARQ Function, Presentation and Panel Session -Southport Room.
See page 19 to confirm your booking

FREE EVENING Delegates to make their own dining arrangements

WEDNESDAY 21 AUGUST

7.30am - 6.00pm REGISTRATION – Event Centre Gallery

8.30am - 4.45pm PLENARY AND CONCURRENT SESSIONS – Event Centre Ballroom

8.30am - 8.45am Daily Introduction by Master of Ceremonies
Russell White, Managing Director, Driver Safety Australia



8.45am - 10.15am KEYNOTE PRESENTATIONS - *Proudly Sponsored by New Hope Group*



8.45am - 9.30am Safety Leadership: It Starts and Ends with Me
Michelle Ray, CEO and Founder, Certified Speaking Professional, Lead Yourself First Enterprise

9.30am - 10.15am The Serious Implications of Superior Health Surveillance
Susan Johnston, Principal, Susan Johnston Consulting

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

10.45am - 12.15pm CONCURRENT PAPERS

Southport Room

DUST IMPACTS AND CONTROLS

10.45 – 11.15am

Lung Disease Screening in Queensland Coal Mining

Dean Barr,
A/Director, Coal Mine Workers' Health Scheme and
Kerri Melkersson,
Director, Health Surveillance Unit, Department of
Natural Resources, Mines and Energy

11.20 – 11.45am

A Clinical, Radiological and Occupational Review of Coal Mine Dust Lung Disease in Queensland

Rex Parsons,
Researcher, The Wesley Dust Disease Research
Centre

11.50 – 12.15pm

Managing Reported Chronic Occupational Lung Disorders

Assoc. Prof. John Schneider,
Occupational Physician, James Cook University,
Mackay Clinical Campus

Gold Coast Room

WORKING TO THE FUTURE 1

10.45 – 11.15am

Digitalisation: Information at Our Employees' Fingertips

Larnie Mackay,
Operations Scheduler, AngloAmerican-Moranbah
North Mine

11.20 – 11.45am

Resources Centre of Excellence: A Hub for Industry Testing, Research, Training and Showcasing Innovation in METS and Resources

Adrienne Rourke,
General Manager, Resource Industry Network

11.50 – 12.15pm

Workforce Education and Training Cut-Through

Bill Haylock,
Director, Green Ticket

Surfers Paradise Room

FITNESS FOR WORK - CONTINUED

10.45 – 11.15am

The State of Fatigue in the Mining Industry - Analysing Fatigue Data Across Australia, the United States, South America and Africa

Jenny Krasny,
Senior Customer Safety & Fatigue Consultant,
Caterpillar Inc. - Caterpillar Safety Services

11.20 – 11.45am

Fatigue Monitoring in Queensland Coal: Case Study

Dr. Daniel Bongers,
Chief Technology Officer, SmartCap Technologies

11.50 – 12.15pm

Fatigue - Finding Common Ground and Improving Safety

Matthew Haddrick,
Site Safety and Health Representative and
Keith Haley,
Site Senior Executive, BMA Saraji Mine

12.15pm - 1.15pm LUNCH – Event Centre Lawn and Marquee

Available for sponsorship

1.15pm - 2.45pm CONCURRENT PAPERS

Southport Room

INCIDENT REPORTING AND ANALYSIS

1.15 – 1.45pm

Addressing Incident Underreporting in Mining

Ben Carnell,
Principal Consultant, Sentis

1.50 – 2.15pm

Accidents and Injuries in Australia are at Epidemic Proportions: Regulatory Changes and a Paradigm Shift in Understanding and Safety Management Practices are Needed

Assoc. Prof. Geoff Dell,
Head of Transport and Safety
Science Courses, Central
Queensland University

2.20 – 2.45pm

Incident Investigation of Equipment in Coal Mining

Bipin Parmar,
Principal Engineer, Department
of Natural Resources, Mines and
Energy

Gold Coast Room

WORKING TO THE FUTURE 2

1.15 – 1.45pm

Strata Monitoring with 3D Laser Scanner in an Underground Coal Mine

Ravindu Goonawardene,
Geology Geotechnical
Superintendent, and Chris
Crosby, Surrey Superintendent,
AngloAmerican Grosvenor Mine

1.50 – 2.15pm

Automation: New Technology Protects Personnel

Tony Peirce,
Exploration Superintendent; NBB
Geosciences, AngloAmerican

2.20 – 2.45pm

Are Exoskeletons the Musculoskeletal PPE of the Future?

Dr. Jenny Legge,
Managing Director, JobFit Systems
International

Surfers Paradise Room

FITNESS FOR WORK

1.15 – 2.00pm

The Science of Sleep

Dr. Nick Mabbott,
The Science of Sleep Director,
Beyond Midnight Consulting

2.05 – 2.50pm

Milestones in Safety – Fatigue and the Continuing Journey

Prof. Naomi Rogers,
Sleep and Fatigue Specialist, Naomi
Rogers Fatigue and
John Tate,
Barrister, Crown Law

Coolangatta Room

CRITICAL CONTROLS

1.15 – 1.45pm

Application of Controls for the Safe Closure of Cannington Mine's Underground Crusher Chamber

Chris Hall,
Superintendent Geotechnical,
Cannington Mine, South32

1.50 – 2.15pm

HPI Share – Bulkhead Failure and Managing Paste Fill Inrush Risk

Joel Gray,
Senior Mining Engineer - Operations,
Cannington Mine, South32

Conference Program



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



3.15pm - 5.15pm WORKSHOP

Southport Room

Gold Coast Room Gold Coast and Surfers Paradise Rooms

A CHANGED REGULATORY FRAMEWORK

3.15 – 3.45pm

Chain of Responsibility - How the HVNL Changes Impact Mining

Terry Crick,

Director, Customer Engagement and Strategy,
Kognent

3.50 – 4.15pm

The Brave New World - Navigating the WHS Landscape

Deanna McMaster,

Partner, MinterEllison

4.20 – 4.45pm

Contractor Management Under the Coal Mining Safety and Health Act 1999

James Hall,

Partner and Brett Elgar, Counsel, Ashurst

FATIGUE WORKSHOP - PROUDLY SPONSORED BY YANCOAL

3.15 – 5.15pm

Milestones in Safety - Fatigue Management in Action

The aim of the Workshop is to provide an interactive forum where approaches to fatigue management may be discussed with experts and peers, with participants having the opportunity to take part in a fatigue risk assessment exercise.

The Workshop will be led by:

Prof. Naomi Rogers, Specialist Fatigue Consultant, Naomi Rogers Fatigue Consulting

John Tate, Barrister, Crown Law

Katie Harrold, Health, Safety and Emergency Management Advisor, Dalrymple Bay Coal Terminal Pty Ltd

Industry Representatives from the Mine Inspectorate, Management and Workforce



5.30pm - 6.30pm THE RESCUE STATION – Atrium Bar

6.45pm - 12 midnight CONFERENCE DINNER - INNOVATION and HEALTH PROGRAM AWARDS
Presentations – Event Centre Ballroom - Proudly Sponsored by AngloAmerican

6.45pm - 7.25pm PRE-DINNER DRINKS – Event Centre Gallery and Terrace



7.25pm - 12 midnight CONFERENCE DINNER

12.00 midnight THE RESCUE STATION – Atrium Lobby Bar

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.

Master of Ceremonies - Proudly Sponsored by Techserve Mining & Energy



Russell White

Russell's experience in the road safety field is unique. His career spans more than 28 years and encompasses expertise across a broad range of road safety matters. He is widely regarded as one of Australia's leading road safety advocates and media commentators, with regular appearances on Channel 7's Sunrise program. The driving force behind his commitment to reducing road trauma is based around three key factors: Advocacy, Research and Education.

Russell is the Managing Director of Driver Safety Australia. In addition, he is also the Founder and CEO of the Australian Road Safety Foundation. The Foundation operates Australia's only national community-based road safety campaign – 'Fatality Free Friday'. His vision, innovation and long-term experience makes him a "one of a kind" in the road safety industry.