



Conference Overview

Safety Institute of Australia
(Queensland Branch)

24th Annual

Occupational Health & Safety Conference

14 – 15 July 2016



Safety Institute
of Australia Ltd



Safety For Life

24th VISIONS CONFERENCE 2016 ORGANISING COMMITTEE

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Conference Proceedings Overview and Conference Papers:

To be placed on SIA website in members' area for access:

<http://www.sia.org.au/>

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VISIONS CONFERENCE

Novotel Twin Waters Resort, Sunshine Coast

14 – 15 July 2016

HOST

The Conference is hosted by the Safety Institute of Australia (Queensland Branch).

SPONSORS

The Conference is proudly supported by:

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WELCOME MESSAGE

It is indeed a pleasure to welcome you to the 24th Annual Visions OHS Conference, at Novotel Twin Waters Resort.

The conference content has been selected to canvass a broad range of contemporary OHS topics, and offer an interesting mix of presentations and networking opportunities.

The Conference Organising Committee is delighted to welcome all presenters to the conference and in particular the following keynote and plenary speakers:

KEYNOTE SPEAKERS:

- Dr Robert Long
- Greg Smith
- Keir Beck
- Assoc. Professor Dr. Yvonne Toft
- Aaron Anderson



The Conference Organising Committee would like to thank especially our sponsors, the organisations participating in trade displays, and the many others who have assisted and supported this event.

Finally, our thanks to all the delegates who are attending – without you, there would be no conference. We sincerely hope you will enjoy both the technical and social components of Visions as much as we have enjoyed organising them.

Bryce McLaren

Chair

QLD Branch



**Safety Institute
of Australia Ltd**

Join Shane Webcke, Queensland Safety Ambassador for Safe Work Month October 2016

Mark your calendar!

Safe Work Month is about committing to improving work health and safety and remembering our most important reasons for staying safe at work. To become a Safe Work Month sponsor or attend an event, visit worksafe.qld.gov.au/safe-work-month



Helping business manage risk through implementing practical quality safety management systems

Safety for Life is an Occupational Health and Safety Consulting and Software company based in Brisbane.

Safety for Life specialise in the development of quality safety management systems.

Our key product is Sherm Software application that is effectively assisting various industries throughout Australia and New Zealand.

Sherm manages the following functions

- ♦ Human Resources
- ♦ Licensing and Certification
- ♦ Training and Competency
- ♦ Risk Management
- ♦ Incident Management
- ♦ Injury Management
- ♦ Audits and Inspections
- ♦ Contractor Management
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- ♦ Extensive Reports



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TIMETABLE

Thursday 14th July

08:00 – 17:00	REGISTRATION DESK OPEN	
<i>Main Sessions – Mudjimba Room</i>		
08:00 – 08:10	Chair SIA QLD Branch – Bryce McLaren Conference Opening and Welcome	
08:10 – 08:20	David Clarke – CEO Safety Institute of Australia Ltd –Welcome	
08:20 – 08:30	Dr Simon Blackwood (Deputy Director-General, Office of Industrial Relations)	
08:30 – 09:30	Keynote Dr Rob LONG - Isn't it time we reformed the WHS curriculum in Australia?	
09:30 – 09:50	Keynote Questions & Panel Discussion	
09:50 – 10:15	MORNING TEA	
<i>Plenary Sessions – Mudjimba Room</i>		
10:15 – 11:00	Greg SMITH ex GM Toll NQX - Safety Leadership at Work (SLAW) Program	
11:00 – 11:45	Aaron ANDERSON – It's not my Job Your Honour. The Role of the WHS Professional in Legal Compliance	
11:45 – 12:15	Plenary Session Questions & Panel Discussion An opportunity to ask both Plenary speakers questions relevant to the topics presented	
12:15 – 13:00	LUNCH	
<i>Concurrent Sessions</i>		
13:00 – 13:45	<i>Mudjimba Room</i>	<i>Ninderry Room</i>
	Fiona AUSTIN - Safety on a budget: the law	Dave WHITEFIELD- The Psychology of Risk – What we can learn by engaging to understand
13:45 – 14:30	Allan GIRLE (HWL Ebsworth Lawyers) Can an OHS consultant be charged for bad advice?	Peter MARSHALL - The Risk Register: Pillar of Safety or Paperweight?
14:30 – 15:00	Session Questions & Panel Discussion An opportunity to ask speakers questions relevant to the topics presented	
15:00 – 15:30	AFTERNOON TEA	
<i>Concurrent Sessions</i>		
15:30 – 16:15	<i>Mudjimba Room</i>	<i>Ninderry Room</i>
	Madeleine PAGE - The Effectiveness of Enforceable Undertakings in Comparison to Prosecutions	Mark HOOGSTEYNS - Eliminating Serious Injuries and Fatalities
16:15 – 17:00	David SKEGG - The Problem with Compliance	Matt BREARLEY – Mitigating occupational heat stress: lessons learnt in Northern Australia
	<i>Mudjimba Room</i>	

17:00 – 17:25	Session Questions & Panel Discussion An opportunity to ask speakers questions relevant to the topics presented
Thursday 14th July cont'd	
18:30 – 19:00	Pre-Dinner Drinks – On the Deck at Lily's on the Lagoon
19:00 – 23:00	Conference Dinner – Lily's on the Lagoon (<i>Dress Code – Cocktail Red and Black</i>)

Friday 15 July

08:30- 13:00	REGISTRATION DESK OPEN	
<i>Main Sessions – Mudjimba Room</i>		
09:00 – 10:00	Keynote Assoc. Professor Dr. Yvonne TOFT – Jargon: The Nemesis of Good Professional Practice	
10:00 – 10:15	<i>Keynote Questions</i>	
10:15 – 10:45	MORNING TEA	
10:45 – 11.45	Keynote Keir BECK - Safely Realising Creative Ideas	
11:45 – 12:30	Sara PAZELL - Safety in Design: Considering People in the Procurement Process	
12:30 – 13:00	Session Questions & Panel Discussion An opportunity to ask speakers questions relevant to the topics presented	
13:00 – 14:00	LUNCH	
<i>Concurrent Sessions</i>		
14:00 – 14:45	<i>Mudjimba Room</i>	<i>Ninderry Room</i>
	Joe THOMPSON - Application of emerging technologies to improve worker safety	Leanne LOCH - Musculoskeletal discomfort among drivers: How to establish the presence (or absence) of occupational risk and what to do about it
14:45 – 15:30	David RANDALL - The Self Insurance Auditor's Dilemma	Matt SKUBIS - Simulation and Augmented Reality: Potential for Enhancing Workplace Training and Learning
<i>Mudjimba Room</i>		
15:30 – 16:00	Session Questions & Panel Discussion An opportunity to ask speakers questions relevant to the topics presented	
16:00 – 16:15	Conference Close	

PROGRAM: Thursday 14 July 2016

08:00 – 08:10

BRYCE McLAREN – Chair SIA QLD Branch

Conference Opening (Including Welcome to Country)



08:10 – 08:20

DAVID CLARKE – CEO Safety Institute of Australia

David was appointed CEO of the SIA in September 2014 to realise the Board's vision to build a strong administration capable of:

- providing industry leadership
- building capability
- advancing the profession
- delivering higher quality service and products to the membership, and
- more strongly influencing OHS/WHS policy in Australia.



This is David's third CEO role leading an industry body, having worked at Parks Forum, the peak body for parks agencies in Aust/NZ for six years, as well as the peak body for community mental health services in Victoria for eight years. David's other professional achievements include:

- heading up a number of other not-for-profit organisations and two private businesses
- board membership of a number of not-for-profit organisations
- extensive work as a consultant conducting strategic reviews
- working with boards on governance, strategic planning and leadership, and
- the recent completion of an MBA entitled "Keep Alzheimer's at Bay".

08:20 – 08:30

Dr SIMON BLACKWOOD – Deputy Director-General, Office of Industrial Relations



08:30 – 09:30 KEYNOTE (THURSDAY)**KEYNOTE SPEAKER – Dr Rob Long**

Dr Rob Long is the founder of Human Dymensions and has extensive experience, qualifications and expertise across a range of sectors including government, education, corporate, industry and community sectors over 30 years. Rob has worked at all levels of the education and training sector including serving on various post graduate executive, post graduate supervision, post graduate course design and implementation of programs.

**EXPERIENCE**

Rob has conducted and designed numerous reviews, consultancies, training programs for large and small organisations including:

- International Keynotes and workshops in Europe and Asia.
- International and National culture surveys for numerous Tier 1 organisations.
- Organisational development projects for numerous tier 1 companies in Building and Construction, Mining, Manufacturing, Energy Distribution, Education, Government and Community.
- Training and services to some of large alliances E.g. Port Botany Alliance, Westgate Freeway Alliance, 3ARail Alliance, Eastern Tertiary Alliance.

In 2003 Rob managed an Emergency Centre during the Canberra Bushfires.

In 2006 Emergency Coordination Operations Group (ECOG) at Beaconsfield Mine (2006), Manager of the Mine Community Recovery. Rob designed and implemented the nationally awarded PROACT OHS program for the Master Builders Association (2005/2006).

Development of the Psychology of Risk Management Plan for World Youth Day for Canberra and Goulburn region (2007). Rob has worked in four universities, TAFE and managed a range of RTO to University transition programs. Rob was Manager Youth, Community and Family Support Services in the ACT Government. Whilst in Government Chair and member of numerous National intergovernmental committees in training, community, housing, gambling, security, protection and youth. Established Graduate program in The Psychology of Risk at ACU.

Rob is a prolific author and well regarded keynote speaker.

Topic - Isn't it time we reformed the WHS curriculum in Australia?

10:15 – 11:00 KEYNOTE (THURSDAY)

GREG SMITH – Member, Safety Leadership at Work Expert Reference Group (ERG)

Greg has over thirty five years experience in the transport industry, the last seventeen with Toll, the most recent five as General Manager Toll NQX. Greg began in the industry as a local driver and loader. His experience from shop floor to senior management has given him a solid understanding of all aspects of the industry and the associated risks.

Greg has a personal passion for safety driven by firsthand experience as a young man in what is a traditionally high risk industry. Under Greg's leadership Toll NQX became an industry leader in both site and on road safety.



Safety Leadership at Work (SLAW) Program

11:00 – 11:45 KEYNOTE (THURSDAY)

AARON ANDERSON – Partner, Norton Rose Fulbright Lawyers

Aaron Anderson is a specialist in occupational health and safety law and injury claims management, based in Brisbane. He has extensive experience in advising clients on occupational health and safety and industrial relations related matters in various industries including rail, mining, construction, food safety, manufacturing, electricity and transport. An experienced advocate, Aaron has successfully defended a number of prosecutions on behalf of clients as well as advising on a broad range of safety and injury management matters such as compliance and incident response management.



His areas of expertise are workplace health and safety compliance and risk management; workers' compensation advice and appeals; emergency response management; incident investigation and reporting; defending workplace health and safety prosecutions; injury management; coronial inquests; industrial disputes; executive officer compliance.

Aaron is an active trainer and presenter and has appeared in the state and federal industrial relations commissions, the Anti-Discrimination Commission and Industrial Magistrates Court. He is the author of the publication Mining Safety Law in Australia (Lexis Nexis, 2012).

It's not my Job Your Honour. The Role of the WHS Professional in Legal Compliance

Businesses clearly rely on WHS professionals in managing their statutory safety duties. Those duties are legal in nature and what actions are required to comply with them can often require a process of statutory interpretation and knowledge of decided cases. This paper will discuss the role of WHS professionals in interpreting legal principles and the extent to which businesses can rely on the advice of WHS professionals.

13:00 – 13:45**CONCURRENT SESSIONS (THURSDAY)****FIONA AUSTIN – Herbert Smith Freehills Lawyers**

Fiona Austin is Special Counsel with Herbert Smith Freehills.

She has extensive industry experience across onshore and offshore workplaces in the Asia Pacific region and was listed by Best Lawyers® in Australia 2016 for occupational safety and health law.

Fiona has also worked for a number of years as in-house legal counsel in the energy sector.



Outside of her professional practice, Fiona is a volunteer Director with Reef Check Foundation Ltd.

Safety on a budget: the law

Less money, more risk? A great concern for many businesses at the moment is how to do more for safety and health with fewer resources. Many safety and health professionals in the past have faced this challenge. They all must ask whether what they are doing makes sense and what they can do better with less. But what does the law say about making safety decisions with fewer resources? From health, to forestry, to aviation, the courts have explored the sensitive issue of safety spend and there are lessons from this. The path is well trodden, but rarely passed! What can companies and managers learn from the legal past? What does a defensible decision look like? Must budget cuts compromise safety or are they a fresh opportunity to explore the new safety paradigms?

13:00 – 13:45**CONCURRENT SESSIONS (THURSDAY)****DAVE WHITEFIELD – Director, People and Risk**

After 20 years in safety and training, Dave now focuses primarily on the human side of safety. He helps clients tackle their wicked problems through seeking to understand how people organise in response to uncertainty, and how they make sense of risk.

He does this through consulting, coaching, training and workshop design and delivery, MC'ing events and conferences, and delivery of keynote presentations.

***The Psychology of Risk – What we can learn by engaging to understand***

Seeking to understand how people deal with uncertainty and risk, from a position of curiosity and not judgement, is a pathway towards greater connection, increasing engagement and a more mature safety culture. This presentation will provide an overview of the process of sense making (how people make sense of risk) through a social psychological lens. It will also identify how promoting curiosity around sense making can lead to a more engaged and connected workforce, as well as a more mature safety culture.

13:45 – 14:30

CONCURRENT SESSIONS (THURSDAY)

ALLAN GIRLE – HWL Ebsworth Lawyers

Recommended in the 2015 and 2014 Doyle's Guide and recently selected in the 2015 Edition of Best Lawyers in Australia, Alan is a senior regulatory law adviser with many years' experience assisting clients defend and negotiate prosecutions ranging from environmental regulation to safety prosecutions.

He is currently a Partner in at HWL Ebsworth Lawyers in the Workplace Relations and Safety Group, and is a senior work health and safety (WHS) and regulatory law adviser.



Can an OHS consultant be charged for bad advice?

Can an OHS consultant commit an offence under the *Work Health and Safety Act 2011* by giving bad or inadequate advice? The primary duty of care under the WHS Act is to ensure so far as is reasonably practicable the health and safety of workers. This obligation applies to both employers and other businesses that influence the risk that a worker is exposed to. A failure to comply with that duty can give rise to penalties of up to \$3 million and five years imprisonment. Giving OHS advice to a business will not normally attract the ire of Workplace Health and Safety Queensland, but could it technically form the basis of a charge? What if there was an incident of such enormity that WHSQ felt obliged to scrutinise all who could have prevented the incident? Clearly giving OHS advice creates the potential to influence the risk workers are exposed to. Normally, it is the failure of a business to follow that advice that creates the risk. But what if the OHS consultant missed something? What if they didn't understand the nature of the business? What if they were simply not up to the task? Alan Girle is a leading OHS lawyer. He will consider cases that have bearing upon this issue to reach a conclusion on whether or not an OHS consultant could be charged. This is likely to be a controversial and must see presentation for all OHS consultants.

13:45 – 14:30

CONCURRENT SESSIONS (THURSDAY)

PETER MARSHALL – CQU

Peter Marshall is an experienced WHS professional and reliability engineer with interests that include safety culture and sociotechnical systems. He is currently employed as Senior Lecturer OHS and Risk Engineering at CQ University, teaching a variety of subjects from OHS Practice to Human Factors Investigations and Evidence Informed Practice. Peter is also undertaking PhD research on rock fishing safety which encompasses risk scoring, safety culture and public safety communication issues in CALD communities. His presentation today is based upon reflections of his personal experiences in trying to tame risk registers.



The Risk Register: Pillar of Safety or Paperweight?

The risk register is a summary of risks in our workplace. We need to eliminate or manage risks So Far As Is Reasonably Practicable but, there is no requirement for either a risk assessment or a risk register under the harmonised Statutes. How should we demonstrate duty of care? How do we rank our risk actions? How can we avoid a paper exercise? This paper will discuss the place for the risk register in our 2016 organisations and how to add value to make the effort worthwhile when there is no mandated requirement.

15:30 – 16:15**CONCURRENT SESSIONS (THURSDAY)****MADELEINE PAGE - UQ**

Madeleine Page is currently in her fourth year of the Bachelor of Occupational Health and Safety Science (Honours) at the University of Queensland. With a previous background in science, Madeleine has a drive for research and evidence-based practice which lead her to OHS and she hopes to one day make a positive change in people's lives.

The paper provided was submitted as a part of her honours thesis and she worked closely with Work Health Safety Queensland throughout the summer on this project. Madeleine's interests lie in Occupational Health and Safety Management Systems, Safety 2 and Occupational hygiene. Although she is still studying, she is also working as an undergraduate safety student within the construction industry. After

graduating, she hopes to work within construction industry and continue with OHS research in the future.



The Effectiveness of Enforceable Undertakings in Comparison to Prosecutions as an Enforcement Option

Increasingly more and more regulators within Australia are beginning to use the responsive regulatory approach of working alongside business to 'advise and persuade' compliance rather than simply prosecuting (Braithwaite, 2011). In Queensland since 2003, work health and safety legislation allows for WHSQ policy on the giving of an Enforceable Undertaking (EU) for matters relating to an alleged contravention of the Work health and safety Act. Within Australia, little OHS research conducted is dedicated to health and safety interventions of regulators. This study investigated the effectiveness of EUs in a range of businesses and the perspectives of the organisations involved, regarding their understanding, enforcement and usefulness. It is anticipated that the results will provide the evidence base for the regulator to tailor its enforcement approach for specific businesses and to contribute to future improvements towards OHS compliance.

15:30 – 16:15**CONCURRENT SESSIONS (THURSDAY)****MARK HOOGSTEYNS – DEKRA Insight**

Mark has been involved in safety since the mid-1990s as senior leader, consultant and regulator. Prior to joining DEKRA Insight as vice president of business development, Mark ran his own broad-based transformational management, safety consulting and training organisation for nine years. His clients included large multinationals based in Australia and Malaysia. Mark helped organisations manage change, demystified safety and focused on the behavioural approach to safety, as well as undertaking considerable work across clients' safety enabling systems.



Mark's various roles include general manager (people and systems) for a major construction company, group manager (human resources and safety) for a large construction supply group and director in the Department of Mines and Energy. He completed undergraduate studies at James Cook University (JCU) in business, and has a graduate management certificate from Griffith University and an MBA with honours from JCU.

Eliminating Serious Injuries and Fatalities

As organisations became better at preventing injuries, no one was surprised when the rate of recordable injuries declined. What was surprising, however, was that over the same time, the rate of serious injuries and fatalities remained flat or even increased. So what happened? This presentation outlines research that shows why traditional safety efforts aren't enough for serious injury prevention and outlines four steps leaders can take to address them effectively.

16:15 – 17:00

CONCURRENT SESSIONS (THURSDAY)

DAVID SKEGG - CQU

David is a senior practitioner and experienced executive manager, with a personal interest in multiple failure mode analysis and accident investigation.

He currently lectures in the area of Accident Forensics (CQU Bundaberg), and is a former chair of the SIA College of Fellows.



The Problem with Compliance

It seems that a large proportion of safety practitioners wander the halls of industry checking on the compliance of workers to a prescription of work often divined by those who don't do the work, and have maybe never been in the workplace, and it leads one to wonder with what are the workers supposed to comply? This discussion paper looks at elements of rules with which workers are supposed to comply, and the safety staffs are supposed to monitor.

**16:15 – 17:00
(THURSDAY)**

CONCURRENT SESSIONS

DR MATT BREARLEY

Dr Matt Brearley holds a PhD in Thermal Physiology and was the heat specialist of the 2008 Australian Olympic team in Beijing, China prior to focussing on occupational heat stress. Matt has established a ground breaking research program with the National Critical Care and Trauma Response Centre, developing evidence based procedures to maximise worker health, safety and performance in the heat. To achieve this goal, Matt collaborates with a wide range of emergency personnel including tactical response police, firefighters, medical response teams, US Marines, disaster victim identification teams, urban search and rescue units and power utility crews. He also collaborates with the Northern Institute, Charles Darwin University, with recognition as a University Fellow. Through the heat stress consultancy, thermal Hyperformance, Matt also provides heat stress mitigation services to a wide range of industries including mining, construction, oil and gas, and transportation. His work has been acknowledged with awards for research and innovation, best conference paper and presentations, recognition by the Australian Institute of Policy and Science and most recently as a 2015 NSW Mining Awards finalist.



Mitigating occupational heat stress: lessons learnt in Northern Australia

Australia's climate is renowned for its extremes. This is particularly relevant for the monsoonal region of Northern Australia, where heat and humidity combine to produce some of the harshest environmental conditions imaginable. The recent expansion of large-scale resource projects in Northern Australia has exposed a sizeable workforce to these challenging conditions, with potential for elevated core body temperatures and associated sequelae that may compromise health, safety and ultimately, work performance. The lessons learnt from managing workers in such conditions can be applied to regions seasonally exposed to heat.

PROGRAM: Friday 15 July 2016

09:00 – 10:00 KEYNOTE (FRIDAY)

Dr YVONNE TOFT – Associate Professor Human Factors & Systems Safety, CQU

Yvonne Toft is the Head of Programs, Transport & Safety Sciences in the Higher Education Division, CQ University. She leads a dynamic trans-disciplinary program group, teaching and researching in:



- human factors engineering
- OHS
- accident forensics and investigation
- operational safety and technology
- risk engineering and fatigue risk management in public safety, and,
- industrial and transport related contexts (including aviation, rail and road).

She manages CQU's dedicated purpose-built multi-modal 'forensic investigation crash lab' (in Bundaberg) for simulation of accident scenarios and investigation, and also conducts research and teaching with colleagues from the Centre for Railway Engineering (Rockhampton) and the Appleton Institute (Adelaide).

Jargon: The Nemesis of Good Professional Practice

What is in a name??? Accident, incident, occurrence and event? Is it relevant, which is relevant? Human factors, ergonomics, what does that mean? Let's talk VET – is that the vet that attends to my dog's needs? What is safety science? Design speak? Who understands us, why do they understand us, and more importantly, why don't they understand us??

This presentation will explore professional practice, what it is to be defined as a discipline, how we snooker ourselves as a discipline and all the nonsense in between!

10:45 – 11:45 KEYNOTE (FRIDAY)

KEIR BECK

Renowned International stuntman, Keir Beck has extensive experience with complex stunt action sequences in feature films such as: Matrix Reloaded, Matrix Revolutions, Casino Royale, Sherlock Holmes, Pirates of the Caribbean and Mad Max Fury Road has lead to him lecturing in creative stunt rig design and implementation in Australia the USA and Europe. His safety management systems have been welcomed by Warner Brothers films and other major production companies around the world. Keir has for the last 26 years been involved in adventure travel and sports. His extensive alpine and mountaineering experience lead him into the stunt industry, which has turned into an international career as a stunt coordinator and stunt rigging consultant. Beck is the owner and Director of AP8 Actionpact stunts and rigging and CEO of Live Action Training, both of which are based on the Gold Coast in Australia. Keir recently received the 2016 SAG award for Best Stunt Work on Mad Max: Fury Road.



Safely Realising Creative Ideas

11:45 – 12:30 PLENARY (FRIDAY)**SARA PAZELL – ViVA! Health At Work**

Sara is an experienced specialist in best-practice industrial and office ergonomics, human factors design, health and safety leadership, training, and workplace well-being. Her skills involve the complex analysis of the biodynamics of people at work. She is dedicated to the approach of using simulation to test strategies for improvement with interests in psycho-dynamics and human performance technology at work - motivation, workplace stressors, behaviours, energy, and optimum work performance. She is currently employed as an Occupational Advisor: Human Factors and Ergonomics.

**Safety in Design: Considering People in the Procurement Process**

A range of productivity, fatality, injury and health risks are associated with the operation and maintenance of mobile plant in road construction. Material unwanted events include: slips, trips and falls from ground or at height; performance of hazardous manual tasks; exposure to heat, chemicals and whole body vibration; vehicle roll overs; and collisions. It may be possible to remove or reduce the risk of these events through improved design of the equipment. Design for work health and safety is a strategy consistent with The Australian Work Health and Safety Strategy 2012-2022.

In this study, the work of the Earth Moving Equipment Safety Round Table (EMESRT) and their EMESRT-Design Evaluation for Earth Moving Equipment Procurement method was leveraged for application in the construction industry. A human-centred design practice was engaged (the Design for Operability and Maintainability Analysis Technique) to apply the tools that originated in the mining industry. Numerous hazards associated with job truck interface were identified through these methods that had previously not been captured during routine reporting processes. Design parameters were established to inform national procurement teams about preferential specifications of their job truck fleet. Organisational systems were reviewed, also, with the Functional Resonance Analysis Method (FRAM), in order to consider the processes and resources that may support the implementation of these methods on an on-going basis. A lifecycle, supply-chain, systems-approach to the considerations of human interface with equipment is recommended

14:00 – 14:45 CONCURRENT SESSIONS (FRIDAY)**JOE THOMPSON - CQU**

Joe is a Lecture with CQUniversity in the Accident Forensics Crash Lab.

Previously, Joe was the Manager Operations and Systems for the Rail Industry Safety and Standards Board (RISSB) in Canberra. He was responsible for the ongoing development of operational rail safety rules and procedures for the Australian rail industry and the development of an Australian Standard on interoperability. Prior to joining the RISSB, Joe was a Rail Safety Investigator for what was QR Network, now QR National; Joe also worked in the operational rail safety area in the development of standards, procedures and guidelines.



Application of Emerging Technologies to Improve Worker Safety

Past: From the late 1800's the rail industry in Australia adopted track worker methods, practices and solutions to protect workers in the field. Since that time, the Rail Infrastructure Managers in all States and Territories have largely unchanged the methods and practices of those early years. Each developed their own sets of rules and procedures for the separation of trains from trains and trains from workers resulting in a diverse range of methods and solutions across rail networks. Present: over the past decade, RIM's have been reviewing technology both nationally and internationally for application in the Australian rail context to provide a safe workplace for track workers. Some of these are bespoke systems while others adaptations from overseas.

Future: RIM's in Australia will have adopted technology that is integrated in to train control systems. Interoperability between networks will become enhanced with transition of trains and infrastructure workgroups producing greater safety benefits. The commonalities of the different RIM's across Australia will be consistent, providing for a true national harmonised rail industry. Variances in the rules and procedures of the Access Providers will become atypical and related to local operating environments only.

14:00 – 14:45 CONCURRENT SESSIONS (FRIDAY)

LEANNE LOCH- BackonTrack

Leanne Loch is a Physiotherapist and Occupational Health Consultant, working with industry throughout South East Queensland. Leanne has a Bachelor of Physiotherapy from the University of Queensland 1998, a Graduate Diploma of OH&S from Curtin University 2003 and a Graduate Diploma of Ergonomics from the University of Queensland 2004.

Since establishing Back On Track in 2005, Leanne has supported the needs of SMEs, large corporations and government to implement effective, evidence -based occupational health initiatives. Leanne is passionate about health and the importance of evidence to support workplace interventions. She has seen the trends come and go and scrutinises new products, designs and training for efficacy before offering them to industry.

Leanne will discern the literature to help OH&S practitioners and managers identify effective ergonomic tools to promote occupational health and bridge the gap between research and practice.



Musculoskeletal discomfort among drivers: How to establish the presence (or absence) of occupational risk and what to do about it

Reports of musculoskeletal discomfort are prevalent among professional drivers – truck drivers, machine operators, couriers etc – and the risk of low back pain is known to be higher than average.⁴ Drivers generally experience several musculoskeletal disorder risk factors including exposure to whole - body vibration, sedentary work and awkward sitting postures. Underlying these physical risk exposures may be industrial issues, psychosocial factors and personal preferences which can motivate workers to raise concerns about particular work vehicles. This multifactorial problem can create significant challenges for safety professionals when trying to assess risk and provide solutions. This discussion details:

- Ergonomic principles of vehicle seating, consoles, access and egress;
 - Common problems encountered with vehicle ergonomics including accommodating for taller, broader and heavier workers;
 - Whole - body vibration exposure, static sitting and poor posture and their relative contribution to low back pain; and
 - Practical solutions for the prevention and management of musculoskeletal discomfort in drivers.
- Case examples from industry are used to illustrate common problems, and practical solutions are offered to assist safety professionals to manage the ergonomic risk factors of occupational driving.

14:45 – 15:30 CONCURRENT SESSIONS (FRIDAY)

DAVID RANDALL – Managing Director DRA Safety Specialists



David Randall is the Managing Director of DRA Safety Specialists and has been involved in the Work Health and Safety Industry since 1990 and continues to provide consulting, training and auditing services to clients throughout Australia and overseas. David has a Mechanical Engineering degree, Science degree and Diploma of Management, Business and WHS. He has held the position of Regional Representative of the Gold Coast Branch of the Safety Institute of Australia since its inception in 1990 to the present day, and was President of the SIA (QLD &NT) in 2008-2011 and was appointed to the Retail, Wholesale, Hospitality, Recreation and Other Services Industry Sector Standing Committee to represent the safety interests of this industry at the State level. He is currently a Government accredited Self Insurance auditor, and an Exemplar Global Lead Auditor (OHS).

The Self Insurance Auditor's Dilemma

Before you engage an auditor to assess your safety management system, are you after a high score or an accurate reflection of where your strengths and weaknesses are? Of course everyone will say the latter, but when your company needs the score to maintain their self-insurance status which will result in significant dollars' worth of savings, and your job is on the line to get over the magic 70% line, do you risk it? Auditors, whether we like it or not have reputations in industry. A good reputation as a diligent auditor who asks the hard questions and provides an accurate assessment can result in being offered less work. A reputation as an easy auditor who guarantees the pass will be the safe option for most and their calendars will be full of work. The tool used to audit is the same for everyone, so how can one auditor score you at 85% and another at 40% four weeks later. This paper will take you through my 25 years of auditing and the games auditors play, and provide you with an insight on what to look for when you next engage an auditor.

14:45 – 15:30 CONCURRENT SESSIONS (FRIDAY)

MATTHEW SKUBIS - Aussafe Consulting



Matt is a Certified OHS Professional with the Safety Institute of Australia (SIA), who has over 13 years full time experience as an OHS professional. He is a member of the Human Factors and Ergonomics Society of Australia (HFESA), a Principal OHS Auditor (Certified by Exemplar Global), trained Lead OHS Investigator, certified Trainer and Assessor and Senior Consultant at AusSafe Consulting.

Matthew holds a Bachelor's Degree in Health, Safety and Environment, and maintains an active role in coaching, mentoring and teaching outside of his occupation.

Simulation and Augmented Reality: Potential for Enhancing Workplace Training and Learning

We have all sat through inductions, training and information sessions required to enable us to start work where it appears to have become a tick the box exercise, however have we really had a look at what other organisations are doing, and not just organisations, but other industries, and what cutting edge developments and technology are being used to enhance the understanding and messages sent and received in our training programs? The idea of Simulation is nothing new and has been around for a long time, and Augmented Reality (AR) is nothing new to gamers, and those in the aviation industry however what potential is there for including simulation and augmented reality into workplace training and learning? The aviation industry, mining industry, motorsport industry and elite sport (AFL) industry and others are leading the way with involving simulation and AR in their development, learning and training of key persons such as Airline Pilots, Machine Operators, Drivers and Athletes. So what can we learn from these industries and put their ideas into practice in our own workplaces? What is Augmented Reality (AR)? AR is nothing new to gamers and human factors engineering types however may have potential for application to the workplace. AR is a live direct or indirect view of a physical, real-world environment whose elements are augmented (or supplemented) by computer-generated sensory input such as sound, video, graphics or GPS data. This presentation will provide some practical examples of how other industries (Aviation, Mining, Motorsport and Athletic) are using Simulation and Augmented Reality to assist with experiential learning, and as well as providing some practical and easy to use simulation exercises you can immediately use in your own training programs.

16:00 – 16:15

CONFERENCE CLOSE (FRIDAY)



GENERAL INFORMATION

Name Badges

A name badge will be provided in your conference satchel, which will be issued upon registration at the conference desk. Please ensure that you wear your name badge to all conference sessions and events.

Registration Desk

The Conference Secretariat and Registration Desk will be open during the following hours:

- Thursday 14th July 07:30 -16:00
- Friday 15 July 08:30 -13:00

Sessions Times

Delegates should note that to avoid disruption to speakers and other delegates, late entrance to sessions is discouraged. Session times are strictly as per the program.

Morning, Afternoon Tea and Lunch Times

Times for Morning and afternoon tea and lunch are provided below:

Day	Break / Meal	Time	Location
Wednesday 13th July			
	Early Arrivals	1700 - 1800	Drinks @ Pool Bar
Thursday 14th July	Morning Tea	09:50 – 10:15	Dining Room/Foyer
	Lunch	12:15 – 13:00	Dining Room/Foyer
	Afternoon Tea	15:00 – 15:30	Dining Room/Foyer
	Pre Dinner drinks	18:30 – 19:00	Lily's on the Lagoon
	Dinner	19:00 – 23:00	Lily's on the Lagoon
Friday 15th July	Morning Tea	10:30 – 10.45	
	Lunch	13:00 – 14:00	

Conference Telephone Enquiries

You may contact the Registration Desk for the duration of the conference or otherwise:

Matthew Skubis: 0458 467 582

Jenny Goss 0414 468 862

Trade Displays

Please ensure that you visit the trade exhibitors during the Conference. These displays are located in the breakout area.

Workplace Health & Safety Queensland

<https://www.worksafe.qld.gov.au/>

Safety For Life

<https://www.safetyforlife.com.au/>

DRA Safety Specialists

<http://www.drafety.com.au/>

Dress Guide

Resort casual is appropriate for all sessions.

Venue Details

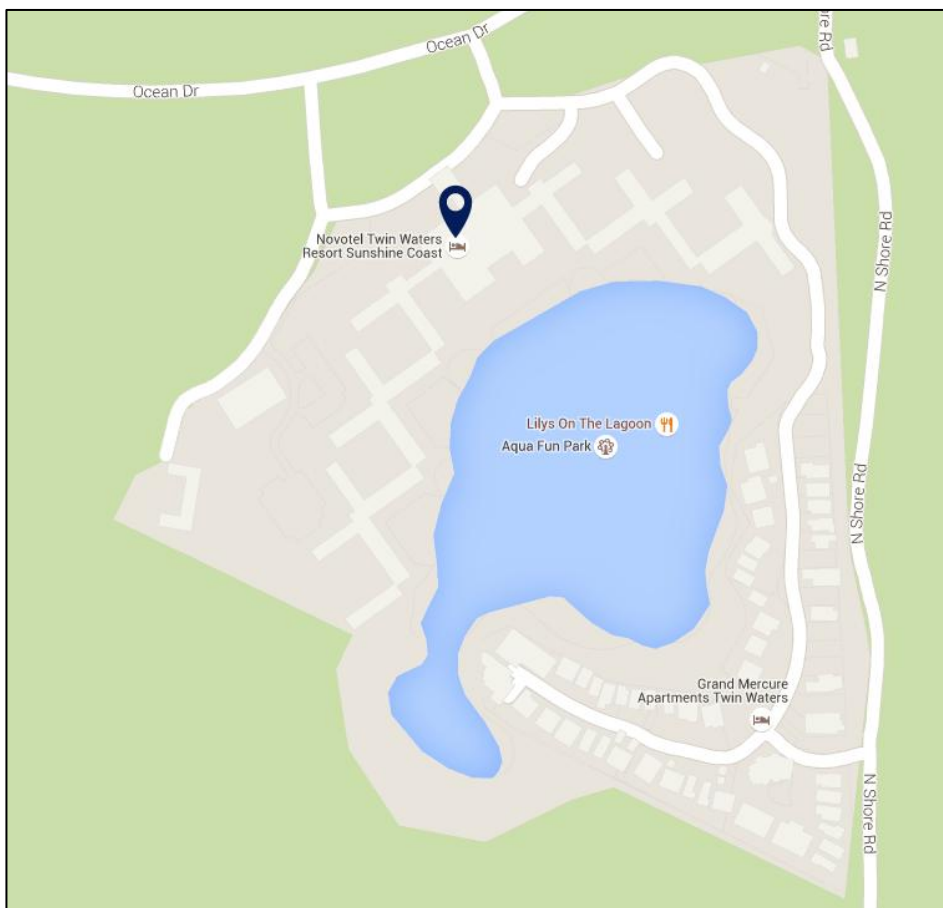
Ocean Drive, Twin Waters Sunshine Coast

QLD 4564. Australia

Phone: +61 7 5448 8000

Email: stay@twinwatersresort.com.au

Directions: <http://www.novoteltwinwatersresort.com.au/directions-en.html>



NETWORKING AND SOCIAL PROGRAM

Wednesday 13th July

Early Arrivals

Poolside Drinks (casual)

5.00pm – 6.00pm

Thursday 14th July

Conference Dinner

The main function for this year's conference will be a Dinner at Lily's on the Lagoon. In addition to the variety of food on offer, there will be a 3-hour beverage package (as well as a half an hour pre-dinner drinks) including a selection of light and full strength beers, white, red and sparkling wines. Spirits and mixers can be ordered at cost.

Delegates are welcome to bring partners (non-delegates) to the dinner function, at an additional cost. Full conference registration includes admission to all events.

When: Thursday Evening 14th July 2016

Time: Pre-dinner drinks from 6:30pm

Theme/Attire: Cocktail/ Smart Casual – Red & Black

Where: Lily's on the Lagoon
Novotel Twin Waters Resort

Cost: Free with full conference registration
Additional guest tickets:
\$140 (inc GST) for SIA members
\$160 (inc GST) for non SIA members



Welcome Function 13th July 2016	
17:00 – 18:00	<i>Poolside Drinks & Games</i>
Thursday 14th July 2016	
07:30 – 16:00	<i>Registration desk open - Novotel Twin Waters Coffee/Tea available all day - Morning Tea served from 09:30</i>
Mudjimba Room	
08:00 – 08:10	Bryce McLaren – President SIA QLD Branch Conference Opening & Welcome to Country
08:10 – 08:20	David Clarke – CEO SIA – SIA Welcome
08:20 – 08:30	Dr Simon Blackwood (Deputy Director-General, Office of Fair and Safe Work Queensland)
08:30 – 09:30	Keynote: Dr Rob LONG <i>Isn't it time we reformed the WHS curriculum in Australia?</i>
09:30 – 09:50	Keynote Questions & Panel Discussion
09:50 – 10:15	Morning Tea
10:15 – 11:00	Greg SMITH, Member, Safety Leadership at Work Expert Reference Group (ERG)
11:00 – 11:45	Aaron ANDERSON – <i>It's Not My Job. The Role of the WHS Professional in Legal Compliance</i>
11:45 – 12:15	Plenary Session Questions & Panel Discussion An opportunity to ask both Plenary speakers questions relevant to the topics presented
12:15 – 13:00	Lunch
Mudjimba Room	
13:00 – 13:45	Fiona AUSTIN - <i>Safety on a budget: the law</i>
13:45 – 14:30	Alan GIRLE - <i>Can an OHS consultant be charged for bad advice?</i>
Ninderry Room	
13:00 – 13:45	Dave WHITEFIELD - <i>The Psychology of Risk – What we can learn by engaging to understand</i>
13:45 – 14:30	Peter MARSHALL - <i>The Risk Register: Pillar of Safety or Paperweight?</i>
Mudjimba Room	
14:30 – 15:00	Session Questions & Panel Discussion - An opportunity to ask both Plenary speakers questions relevant to the topics presented
15:00 – 15:30	Afternoon Tea
15:30 – 16:15	Madeleine PAGE - <i>The Effectiveness of Enforceable Undertakings in Comparison to Prosecutions</i>
16:15 – 17:00	Mark HOOGSTEYNS - <i>Eliminating Serious Injuries and Fatalities</i>
16:15 – 17:00	David SKEGG - <i>The Problem with Compliance</i>
16:15 – 17:00	Matt BREARLEY – <i>Mitigating occupational heat stress: lessons learnt in Northern Australia</i>
Mudjimba Room	
17:00 – 17:25	Session Questions & Panel Discussion - An opportunity to ask both Plenary speakers questions relevant to the topics presented
18:30 - 19:00	Pre-Dinner Drinks – On the Deck at Lily's on the Lagoon

19:00 – 23:00	<i>Conference Dinner – Lily's on the Lagoon – Dress - Cocktail/ Smart Casual (Red & Black)</i>
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Friday 15th July 2016

08:30 – 13:00	Registration desk open Mudjimba Room	
09:00 – 10:00	Keynote Assoc. Professor Dr.Yvonne TOFT – Jargon: The Nemesis of Good Professional Practice	
10:00 – 10:15	<i>Keynote Questions</i>	
10:15 – 10:45	Morning Tea Keynote	
10:45 – 11.45	Keir BECK - Safely Realising Creative Ideas	
11:45 – 12:30	Sara PAZELL - Safety in Design: Considering people in the procurement process	
12:30 – 13:00	Session Questions & Panel Discussion An opportunity to ask both speakers questions relevant to the topics presented	
13:00 – 14:00	Lunch Break	
	Mudjimba Room	Ninderry Room
14:00 – 14:45	Joe THOMPSON - Application of emerging technologies to improve worker safety	Leanne LOCH- Musculoskeletal discomfort among drivers: How to establish the presence (or absence) of occupational risk and what to do about it
14:45 – 15:30	David RANDALL - The Self Insurance Auditor's Dilemma	Matt SKUBIS - Simulation and Augmented Reality: Potential for Enhancing Workplace Training and Learning
	Mudjimba Room	
15:30 – 16:00	Session Questions & Panel Discussion An opportunity to ask both Plenary speakers questions relevant to the topics presented	
16:00 – 16:15	Conference Close	

Information Disclaimer - The conference organising committee reserves the right to add, change or delete items from the Conference Programme. This Programme may change without notice, please regularly check the conference website for updates to this program www.visions.org.au
A range of trade displays will also be set up in the conference common area for you to explore new ideas, education or products on the market.