

PRESENTING THE 24TH

RISSB

RAIL INDUSTRY SAFETY AND STANDARDS BOARD

Rail Safety Conference



30 April – 1 May 2024



Grand Hyatt Melbourne

Australia's Co-Regulatory Model: Don't Throw the Baby out with the Bathwater



CORE THEMES

- Co-regulation
- Rail Safety
- Rail Safety Case Studies
- Level Crossing Safety
- Human Factors
- Innovation & Technology



SPECIAL FEATURES

- **RISSB Rail Safety Awards 2024**
- Bringing together over 40 respected rail safety experts and champions
- Interactive panel sessions & expert analysis
- Practical learnings
- Video recorded sessions for post-event access On Demand



NEW TO 2024

RAIL SAFETY MOCK TRIAL

- Assess a mock incident and investigation
- Review the legal arguments of a mock trial
- Cast your vote on the final verdict



KEYNOTE SPEAKERS



Senator the Hon Carol Brown,
Assistant Minister for Infrastructure and Transport



Dr Natalie Pelham, *Chief Executive, ONRSR*



Carolyn Walsh, *Chair, NTC*



INTERNATIONAL CASE STUDIES



Chau Fat Chan, *Assistant Director / Railways, EMSD HKSAR Government*



Russell McMullan, *GM Assurance and Integration, City Rail Link New Zealand*

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RISSB Rail Safety Conference

Tuesday 30 April 2024

DAY 1

8:55 Safety briefing

9:00 Welcome to Country

9:10 **OPENING | Chair & RISSB Welcome**

Damien White, *CEO, RISSB*

KEYNOTES

9:15 **Regulator's update**

Dr Natalie Pelham, *Chief Executive, ONRSR*

9:45 **Leading change to regulatory efficiency**

Carolyn Walsh, *Chair, NTC*

10:15 **RISSB Address**

Damien White, *CEO, RISSB*

10:30 Morning tea and networking break

THEME 1: CO-REGULATION

11:00 **SAFETY LEADERS' PANEL**

WH&S Law Vs Rail Safety Law

Facilitator: Tim Kuypers, *Board Member, RISSB*

Panelists:

Peter Doggett, *Chief Operating Officer, ONRSR*

Kirsty Baxter, *Director HSEQ – Rail Division, McConnell Dowell*

Jessica Tiwade, *General Manager - People, Governance & Risk, Arc Infrastructure*

Stay tuned for extra panelists to be announced

11:40 **Safety through interoperability and harmonisation**

Brad Moorhouse, *Group Executive Engineering & Systems, ARTC*

12:00 **Prosecuting in the current rail regulatory environment**

Amy Davis, *Senior Legal Counsel, ONRSR*

12:20 **MOCK TRIAL | Part 1: Introduction to incident, investigation and trial**



12:40 Lunch and networking break

THEME 2: RAIL SAFETY

13:40 **Australia's leading rail business: Through consultation**

Nick Mountford, *Head of Health, Safety, Environment and Quality, Downer*

14:00 **Integrating differential GPS devices into application-based work on track authority systems to improve rail worker location assurance**

Dylan Hoskin, *Operational Systems Engineer, Aurizon*

Emmanuel Cindric, *Operational Systems Engineer, Aurizon*

14:20 **A new approach to track protection**

Kevin Morrison, *Head of Infrastructure Safety, Metro Trains Melbourne (MTM)*

Dr Julia Pitsopoulos, *Human Factors Risk Management (HFRM)*

14:40 **Business as usual: Is it safe or are we missing the obvious?**

Crispian Fitzhardinge, *Operational Readiness Specialist – Rail | Sustaining Capital, Rio Tinto*

15:00 Afternoon networking break

THEME 3: RAIL SAFETY CASE STUDIES

15:30 **City Rail Link Case study**

Russell McMullan, *GM Assurance and Integration, City Rail Link New Zealand*

15:50 **Ten years of continuous improvement: Halving serious safety incidents since 2013**

James McMillan, *Chief Safety Officer, Keolis Downer Yarra Trams*

16:10 **Finding better ways to protect team members**

Tristan Lynn, *Superintendent Health Safety & Emergency, Rail Division, Rio Tinto*

16:30 **The Rail Industry Worker Program's role in enhancing rail safety**

Griffin Smith, *Key Account Manager, Metro Trains Australia*

16:50 **MOCK TRIAL | Part II: The Investigation**



17:20 Summary and End of Conference Day One

CONFERENCE DINNER RISSB RAIL SAFETY AWARDS 2024

18:30 Pre-dinner drinks

19:00 **Conference dinner and Rail Safety 2024 Awards Ceremony at Luminare Rooftop in Melbourne**

Join us to celebrate industry's achievements and commitment to safety, excellence and innovation.

Separately bookable, the Awards Dinner is open exclusively to speakers, sponsors, award finalists and conference attendees. With the heartbeat of the city pulsing below us, and the excitement and anticipation of the Award announcements around us, everyone will feel on top of the world at this year's dinner!

AWARD CATEGORIES INCLUDE:

- Safety Leadership Program
- Frontline Worker Safety Initiative
- Community Safety
- Emerging Leader
- Industry Safety Professional of the Year

Nominations deadline: 29 March 2024

Visit www.rissb.com.au/rissb-rail-safety-awards to submit your nomination.

Available to sponsor



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RISSB Rail Safety Conference

Wednesday 1 May 2024

DAY 2

9:00 Safety briefing & welcome

THEME 4: LEVEL CROSSING SAFETY

9:10 ATSB CASE STUDY

Level crossing collision between passenger train and road vehicle, Wynnum West, Queensland on 26 February 2021 (final report)

Senior Investigator, **ATSB**

9:30 A systems thinking analysis of fatal rail level crossing collisions: What can we learn?

Associate Professor Gemma Read,
Co-Director, Centre for Human Factors and Sociotechnical Systems,
University of the Sunshine Coast

9:50 Augmented level crossing warning system trials

Paul Bennett, *Senior Technology Leader,*
National Transport Research Organisation (NTRO)

Phil Lock, *Commercial Manager,* **ARCS Group**

10:10 Morning Tea and Networking

10:50 KEYNOTE

The Federal Government's priorities for national rail safety regulation, collaboration and innovation

Senator the Hon Carol Brown, **Assistant Minister for Infrastructure and Transport**

THEME 5: HUMAN FACTORS

11:20 Mastering the equation: Balancing technology adoption with human readiness

Dr Sara Pazell, *Principal Work Design Strategist,*
ViVA health at work

11:40 Driving employee behaviour to positively impact safety

Rebecca Blewitt, *Senior Manager – Marketing & Communications,*
Downer Rail & Transit Systems

Brendan Poile, *General Manager – National Zero Harm,*
Downer Rail & Transit Systems

12:00 Lunch and Networking Break

13:00 CHIEF ENGINEERS' PANEL

Network resilience – the climate challenge

Panelists:

Amy Lezala Zahr, *Chief Engineer – Rail Network Design & Integration,* **Department of Transport and Planning Victoria**

Dr Christian Christodoulou, *Director Engineering,*
Transport for NSW

Chris Van Berendonck, *Chief Engineer,* **Queensland Rail**

Melanie Mackie, *Head of Operations Standards,* **ARTC**

Stay tuned for extra panelists to be announced

13:40 MOCK TRIAL | Part III: Legal arguments and the final verdict



14:10 Afternoon tea and networking break

THEME 6: INNOVATION & TECHNOLOGY

14:50 Universal AI interacted automated scenario tester

Chau Fat Chan, *Assistant Director / Railways,*
EMSD HKSAR Government

15:10 Steering transformation: The role of AI and large language models in systems engineering and safety assurance within the railway industry

Daniel Munoz Zambrano, *Principal Consultant - Systems Engineering,* **Acmena**

Wilson Law, *Electrical Engineering Student and Intern,*
Acmena Group

15:30 Data-driven safety: Pioneering rail operations with enhanced analytics

Jason Zhou, *Technology Strategy Engineer,* **Downer**

16:10 Line of sight assessment using a digital workflow

David Presley, *Director,* **Agonics**

16:30 Closing remarks – End of conference



RISSB Rail Safety Conference

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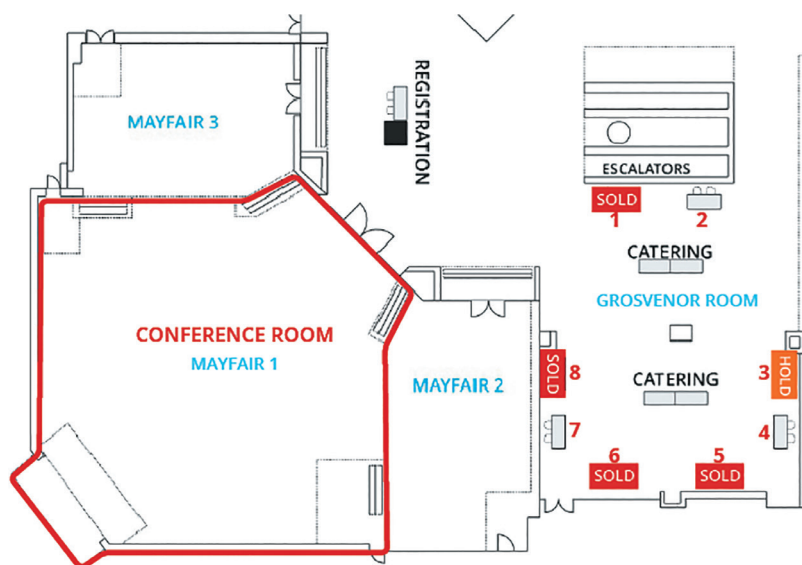
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With 150+ years of experience, we have a long history of designing and manufacturing locomotives, and are the largest provider of through-life asset management services for passenger rollingstock in Australia.

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- Manufacture and maintain 119 Waratah trains in NSW.
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But we couldn't do all of this without our incredible colleagues, as well as our commitment to Safety. At Downer, Safety is paramount with Zero Harm embedded in everything we do.



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We acknowledge the Traditional Owners of Narrm, the Wurundjeri Woi Wurrung people of the Kulin Nation on whose site we will be gathering.

We acknowledge all Traditional Owners and Custodians of Australia and their continuing connections to the land, waters and communities and pay our respects to them and to their Elders past, present and emerging.

RISSB Rail Safety Conference

30 April – 1 May 2024 | Grand Hyatt Melbourne

Easy Ways to Register

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- 2 Telephone**
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- 3 Email**
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Pricing Details

Register Early & Save		Early Bird Rate: Book & pay by 8 March 2024			Standard Rate: Book & pay from 9 March 2024		
Conference Package	PRICE	GST	TOTAL	SAVE	PRICE	GST	TOTAL
Two day conference	\$2,295.00	\$229.50	\$2,524.50	\$400	\$2,695.00	\$269.50	\$2,964.50
RISSB Member Rate	\$1,836.00	\$183.60	\$2,019.60	\$320	\$2,156.00	\$215.60	\$2,371.60
Virtual Pass	\$1,295.00	\$129.50	\$1,424.50	\$100	\$1,595.00	\$159.50	\$1,754.50
RISSB Member Virtual Rate	\$1,036.00	\$103.60	\$1,139.60	\$240	\$1,276.00	\$1,276.00	\$2,552.00
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Virtual Pass	\$595.00	\$59.50	\$654.50	\$300	\$895.00	\$89.50	\$984.50
RISSB Member Virtual Rate	\$476.00	\$47.60	\$523.60	\$240	\$716.00	\$71.60	\$787.60
CONFERENCE DINNER					PRICE	GST	TOTAL
Single Ticket					\$275.00	\$27.50	\$302.50
Table of 10					\$2,750.00	\$275.00	\$3,025.00
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50% YOUNG RAIL PROFESSIONALS DISCOUNT

Informa and RISSB are delighted to offer subsidised conference registration fees to young rail professionals, aged 35 years old and under on 1 May 2024, to attend this year's conference.

Note: You will be required to provide ID on the day of the event.

EXTRA DISCOUNTS FOR GROUP BOOKINGS

Bring along the team to enjoy the learnings, information and networking opportunities available. Conference registration discounts start from groups of 5 or more people.

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