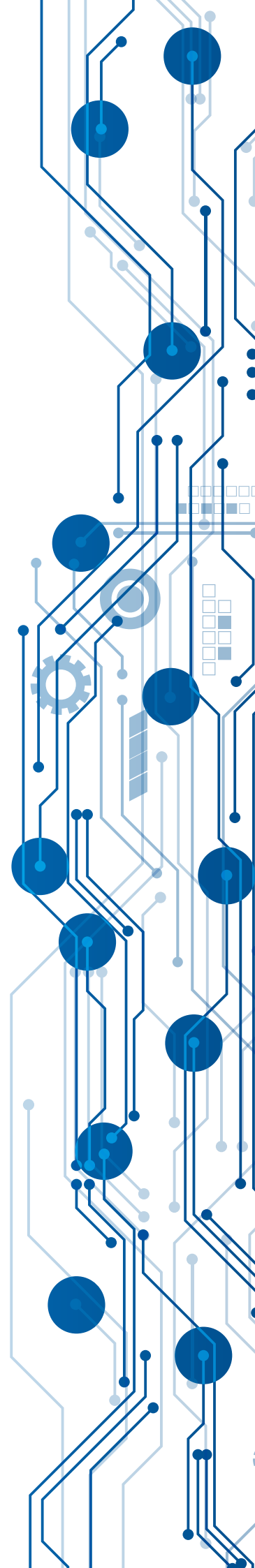


19 – 20 JUNE 2019 SYDNEY AUSTRALIA

RISSB TECHNOLOGY AND INNOVATION CONFERENCE

Developing innovative technology for the rail industry

PARTNERS | EXHIBITORS



DAY ONE

8:30	Site Tours – Arrival & Registration
9:30	Site Tours
11:30	Conference – Arrival & Registration
12:00	Lunch
13:00	Safety Briefing & Housekeeping Samantha Peters, Events Coordinator, Rail Industry Safety and Standards Board
13:05	Welcome from RISSB
13:15	Welcome from University of Technology Sydney Professor Glenn Wightwick, Deputy Vice-Chancellor of Innovation and Enterprise, University of Technology Sydney
13:30	Keynote Speaker: Driving Innovation In Challenging Environments Dr Geoff Rogers, Engineer and Entrepreneur Chief Executive Officer and Executive Director, Wintermute Biomedical
14:00	Using Technology to Enhance Human Factors and Ergonomics Assessment Casey James, Senior Human Factors Consultant, Ergonomie
14:30	Modern Communication Technology to Improve Safety and Enhance Commuter Experience in Railway Networks Ravi Ravitharan, Director, Monash Institute of Railway Technology
15:00	Afternoon Tea Break
15:30	Advancing Innovation Without Compromising Safety Alena Griffiths, Consultant and Director, RGB Assurance
16:00	Robotics, Automation, Autonomous Vehicles And Artificial Intelligence: a behind the scenes tour and primer Professor Michael Milford, Chief Investigator, ARC Centre of Excellence for Robotic Vision
16:30	RISSB's Innovation Inventory & Related Trends Jesse Baker, General Manager Safety & Innovation, Rail Industry Safety and Standards Board
17:00	CLOSE OF DAY ONE Rail Industry Safety and Standards Board
17:30	Networking Event



SITE TOURS

Laing O'Rourke Engineering Excellence Group

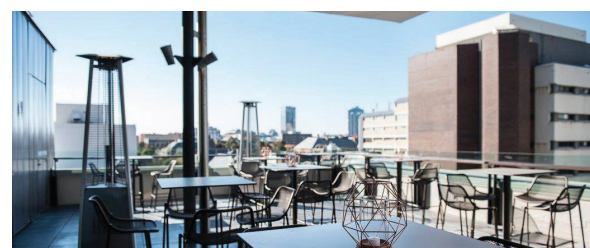
Experience an up close look at the innovation and technology that the Laing O'Rourke Engineering Excellence Group is developing including virtual and augmented reality, robotic computer vision systems, construction-scale 3D printing, sensors and GPS & data platforms.

Commonwealth Bank Innovation Lab

Come behind the scenes of Commonwealth Bank's innovation story. Hear how new ways of thinking are applied to solve human centred problems and explore the applications of emerging technologies such as Blockchain and Embodied Artificial Intelligence in our rapidly changing world.

Limited spaces available for each site tour.

9:30 - 11:30am Wednesday



NETWORKING EVENT

Join RISSB at the Technology and Innovation Conference Networking Event. This is a great opportunity to meet fellow delegates and discuss the exciting opportunities and possibilities for technology and innovation for the rail industry. This event is exclusive to registered conference delegates.

17:30 - 19:00 Wednesday

DAY TWO

8:30	Conference – Arrival & Registration
9:00	Welcome from RISSB
	<i>Spotlight on innovation and technology recently implemented in the rail industry and their success story</i>
9:05	Sydney Metro - Australia's First Fully-Automated Driverless Railway Oliver Fried, Program Technical Director, Sydney Metro
	<i>Developing innovative technology for the rail industry</i>
9:35	Next Generation Rail Safety Systems Using Artificial Intelligence and Machine Learning Associate Professor Stephan Chalup, Newcastle University & Tony Crosby, General Manager of Services, 4Tel
10:00	Innovation and Technology is Improving Level Crossing Safety at Less Cost Gary Foster, Chief Technology Officer, Rail Safety Systems
10:25	Morning Tea Break
	<i>What are the current trends in innovation and technology and how do we adapt them to the rail industry?</i>
10:55	Digital Safety Inspection - Using Mobile Devices to Manage Compliance and Safety Inspections in the Rail Industry Naaman Shibi, General Manager, Pervidi
11:20	Application of Big Data Analytics in Heavy Haul Railways Malcolm D'Cruz, Reliability Engineer – Signals & Systems and Parviz Barati, Reliability Engineer – Track, Rio Tinto Iron Ore
11:45	The Implementation of Unmanned Autonomous Systems (UAS) for Railway Inspection Joshua Chevin, Monash Institute of Railway Technology
12:10	Lunch Break

	<i>How is technology driving the future of the rail industry?</i>
13:10	Innovating Technology for Managing Operational Risks in Real Time Professor Colin Cole, Director - Centre for Railway Engineering, CQUniversity
13:35	Digital Systems: The Transformative Nexus of Systems Thinking and Asset Management to Deliver Public Value Innovation Mark Smith, Director – Technology Strategy & Assurance, Digital Systems Program and Vincent Chiu, ETCS System Integrator, Digital Systems Program, Transport for NSW
14:00	Keynote Speaker: Driving the Future of Lighting - Insights into Addressing and Overcoming Barriers to Implementing Innovation and new Technology Peter Simons, Chief Executive Officer, Phosfect
	<i>How to approach and mitigate barriers to implementing innovation and new technology</i>
14:30	Staying on Track – How Cyber Security Impacts the Rail Industry Andrew Cox, Chief Executive Officer, Cylus
14:55	Drone Digital Assets: Solving the Challenges of Visual Inspection in the Rail Corridor Andrew Chapman, Director of Operations NSW, Australian UAV
15:20	Small in Scale, Big Potential Impact: Spotlight on ACRI Research Andrew Meier, Chief Executive Officer, Australasian Centre for Rail Innovation
15:45	CLOSE OF DAY TWO Rail Industry Safety and Standards Board
16:00	End of Conference

PARTNERSHIP
OPPORTUNITIES

If you would like to partner with RISSB in this event, please contact:
Samantha Peters | 0424 150 221 | events@rissb.com.au

Conference Package	Price	GST	Total
Two day conference – RISSB Member Rate	\$1,195.00	\$119.50	\$1,314.50
Two day conference – Standard Rate	\$1,995.00	\$199.50	\$2,194.50
Two day conference - RISSB Young Rail Professionals Rate (Under 35)*	\$695.00	\$69.50	\$764.50

*Terms and conditions apply.

Register now at www.rissb.com.au/events

For more information contact events@rissb.com.au or call 0424 150 221 / 07 3724 0000.



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STAY CONNECTED

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VENUE DETAILS

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