itsaustralia

Global Summit 2023 | Preliminary Program at a Glance

Monday 28 August 2023

Exh Bays 21-23	Goldfields Theatre	Eureka 1	Eureka 2	Eureka 3	Hospitality Suite 6	Hospitality Suite 7
EXHIBITION BUILD Refer to Exhibitor Manual for access times						
		10.00 – 11.00am REGISTRATION / ARRIVAL COFFEE				
		11.00am – 12.30pm				
	GLOBAL MOBILITY FORUM	BREAKOUT 6	BREAKOUT 7	BREAKOUT 8		SIS 2
	Global Updates	Data Ecosystems	AI Impact on Smart Infrastructure	Connected Transport – C-ITS Benefits, CAV		Integrated Operations and Monitoring Control Systems for all Transurban QLD assets – Project Clarence
		12.30 – 1.30pm LUNCH				
		1.30pm – 3.00pm				
	GLOBAL MOBILITY FORUM	BREAKOUT 11	BREAKOUT 12	BREAKOUT 13	BREAKOUT 14	SIS 3
	Mobility Management	Safety, Security and Systems	Smart Motorways and Smart Freeways	Traffic Management Centres, Digital Twins and Smart Infrastructure	Data Ecosystems	Cooperative and Highly Automated Driving – QLD pilot results
		3.00 – 3.45pm AFTERNOON BREAK				
		3.45 – 5.15pm				
	GLOBAL MOBILITY FORUM	BREAKOUT 15	BREAKOUT 16	BREAKOUT 17	BREAKOUT 18	SIS 4
	Where is the customer? Meeting the satisfaction of the user	Sustainable Transport Futures	Data Driven Solutions	Connected Vehicles – Regulation and Safety	Zero Emission and Alternate Mobility for Smart Cities and Freight	Insights from Connected Vehicle Data

Tuesday 29 August 2023

Exh Bays 21-23	Goldfields Theatre	Eureka 1	Eureka 2	Eureka 3	Hospitality Suite 6	Hospitality Suite 7
		7.30 – 9.00am REGISTRATION / ARRIVAL COFFEE				
		OPENING PLENARY 1 – Sustainable Transport International leaders outline their strategies for a sustainable future 8.45 – 10.30am (GOLDFIELDS THEATRE)				
EXHIBITION OPEN 10.30am – 7.30pm		10.30 – 11.00am MORNING BREAK				
		11.00am – 12.30pm				
	BIG ISSUE 1	BREAKOUT 21	BREAKOUT 22	BREAKOUT 23	BREAKOUT 24	SIS 5
	What is Big Tech projecting for the coming decade?	Equitable Transport – Disability / Community: Engaged, In Touch and in Control	Policy & Harmonisation – ITS Systems Thinking	Connected Vehicles - Human Factors and Society	Queensland's Intelligent Transport Roadmap	Innovation does not mean automation: Community Transport & the innovation landscape
		12.30 – 1.30pm LUNCH				
		1.30 – 2.30pm				
		BREAKOUT 27	BREAKOUT 28	BREAKOUT 29	BREAKOUT 30	SIS 6
		Sustainable Transport	Sustainability, Safety and Smart Infrastructure	Testing for the Future	Connected Transport – C-ITS Implementation Considerations	Standardisation Requirements for Active Mobility
		2.30 – 3.30pm AFTERNOON BREAK*				
		3.00 – 4.00pm – these sessions start half-way through Afternoon Break*				
			BREAKOUT 34*	BREAKOUT 35*	BREAKOUT 36*	SIS 7*
			China's Expressways	Connected Transport – CV Concepts	Drones, Freight and Logistics	Cooperative thinking in Future Technology Test Beds
		4.00 – 4.15pm SESSION CHANGE OVER (15 MIN)				
		PLENARY SESSION 2 – PANEL DISCUSSION: Mobility Digital Infrastructure - Data and insights for personalised public transport 4.15 – 5.30pm (GOLDFIELDS THEATRE)				
		WELCOME RECEPTION 5.30 – 7.30pm (EXHIBITION HALL) included with registration, all welcome				

Wednesday 30 August 2023

Exh Bays 21-23	Goldfields Theatre	Eureka 1	Eureka 2	Eureka 3	Hospitality Suite 6	Hospitality Suite 7
		8.00 – 9.00am ARRIVAL COFFEE				
EXHIBITION OPEN 8.00am – 5.00pm		PLENARY SESSION 3 – Inclusive and Equitable Transport Tangible equity outcomes for the betterment of all citizens 9.00 – 10.30am (GOLDFIELDS THEATRE)				
		10.30 – 11.00am MORNING BREAK				
		11.00am – 12.30pm				
	BIG ISSUE 2	BREAKOUT 39	BREAKOUT 40	BREAKOUT 41	BREAKOUT 42	SIS 8
	Connectivity vs automation - what's next?	AASHTO: Key Initiatives from Leading US Highway and Transportation Depts	Case Study on Policy Enhancing ITS	Data Analytics / Ecosystems	Public Transport Innovation and Equitable Transport	Emergency Alerts & Warnings for Drivers, Automated Vehicles and beyond
		12.30 – 1.30pm LUNCH				
		1.30 – 2.30pm				
		BREAKOUT 45	BREAKOUT 46	BREAKOUT 47	BREAKOUT 48	SIS 9
		Data Analytics / Ecosystems	Tunnels, Rail and Tolling Systems	Sustainable Transport	Mobility as a Service / OnDemand - Research & Analysis	Journey towards an Autonomous Freight Future
		2.30 – 3.30pm AFTERNOON BREAK				
		3.30 – 5.00pm				
	BIG ISSUE 3	BREAKOUT 51	BREAKOUT 52	BREAKOUT 53	BREAKOUT 54	SIS 10
	How are we reimagining mobility to meet the challenge of modern cities and communities?	Equitable Transport - Systems: Who is Leading Who - People, Tech and Delivery	Policy & Organisational Culture Challenges in Adopting ITS	Communications and Smart Infrastructure	iMOVE Australia – A Cooperative Research Centre Approach to Tackling Transport Challenges	Getting Past the Technology Hype: Why are Innovative Solutions Not Becoming Reality?
		SUMMIT SOCIAL NIGHT 7.00 – 10.00pm (Showtime Melbourne South Wharf) Additional Ticket Required, 2 min walk				

Thursday 31 August 2023

Exh Bays 21-23	Goldfields Theatre	Eureka 1	Eureka 2	Eureka 3	Hospitality Suite 6	Hospitality Suite 7
EXHIBITION OPEN 8.00am – 1.30pm		8.00 – 9.00am ARRIVAL COFFEE				
		9.00 – 10.30am				
	BIG ISSUE 4	BREAKOUT 57	BREAKOUT 58	BREAKOUT 59	BREAKOUT 60	SIS 11
	Low / Zero Emission transport - Who has the answers?	Sustainable Transport	Connected Transport – C-ITS Benefits, CAV	Connected Vehicles – Pilots and the Real World	Mobility as a Service / OnDemand – Case Studies	Sustainable transport goals for local councils
		10.30 – 11.00am MORNING BREAK				
		11.00am – 12.30pm				
	BIG ISSUE 5	BREAKOUT 63	BREAKOUT 64	BREAKOUT 65	BREAKOUT 66	SIS 12
	How are we meeting the challenge for inclusive transport?	Data Analytics / Ecosystems	New Mobility Innovations	Equitable & Accessible Transport Improving Safety	Active Transport	Equitable road pricing and mobility in an age of electrification
		12.30 – 1.30pm LUNCH				
EXHIBITOR MOVE OUT Refer to Exhibitor Manual for access times		CLOSING PLENARY 4 – Safety and Efficiency Getting real about delivering benefits from connectivity 1.30 – 3.00pm (GOLDFIELDS THEATRE)				
		CLOSING NETWORKING REFRESHMENTS 3.00 – 4.00pm (EUREKA FOYER) included with registration, all welcome				

Preliminary Plenary Program

28–31 August 2023 | Melbourne Convention & Exhibition Centre

itsaustralia Global Summit 2023

Tuesday 29 August 2023

8.45 – 10.30am Goldfields Theatre

PLENARY SESSION 1

SUSTAINABLE TRANSPORT
International leaders outline their strategies for a sustainable future

Transport is the lead cause for more than 30% of all GHG emissions worldwide and to meet our emissions reduction targets we need to tackle a huge array of issues. This session will hear from leaders around the world in public transport, the automotive industry and technology providers that are both delivering solutions now and preparing big changes for the future.

MODERATOR, Welcome & Opening Remarks
Dean Zabrieszach
President ITS Australia and Co-Chair Global Summit
CEO HMI Technologies / Ohmio Automotion

Welcome to Country

Welcome from Victorian Department of Transport and Planning – Global Summit Host State Partner
Catherine Rooney
Executive Director, Mobility & Insights, Victorian Department of Transport and Planning, and Co-Chair, Global Summit

Update from Federal Chamber of Automotive Industries
Richard Delplace Director Emerging Technologies, Federal Chamber of Automotive Industries

Jim Betts
Secretary, Commonwealth Department of Infrastructure, Transport, Regional Development, Communications and the Arts

Ara Najarian
Chair of the Board, LA Metro

Thale Kuvås Solberg
President & CEO, Q-Free

CONVERSATION WITH INDUSTRY LEADERS:
Moderator: Samantha Cockfield
Head of Road Safety, Transport Accident Commission

Dr Chin Kian Keong
ITS Singapore and Mobility Specialist, ST Engineering Singapore

Joost Vantomme CEO, ERTICO-ITS Europe

Laura Chace President & CEO, ITS America

4.15 – 5.30pm Goldfields Theatre

PLENARY SESSION 2

MOBILITY DIGITAL INFRASTRUCTURE
Data and insights for personalised public transport

Improving the customer experience and making transport seamless and inclusive is critical to ensure a sustainable transport network - data is the key. How can we collaborate and harmonise transport data and build robust secures systems? This panel of experts will share their insights on the way forward.

PANEL DISCUSSION

MODERATOR
Michelle Batsas
Director of Future Mobility, Victorian Department of Transport and Planning

PANELLISTS
Catherine Rooney
Executive Director, Mobility & Insights, Victorian Department of Transport and Planning, and Co-Chair, Global Summit

Laura Chace
President & CEO, ITS America

Joost Vantomme
CEO, ERTICO-ITS Europe

Rita Excell
Head of Transport ANZ, Amazon Web Services

Dr Young-Jun Moon
Invited Professor, Korea Advanced Institute of Science and Technology

Gretchen Newcomb
Director Partnerships, North America & Australasia, MobilityData

WELCOME RECEPTION SPONSOR NOTE:

Rita Excell
Head of Transport ANZ, Amazon Web Services

Wednesday 30 August 2023

9.00 – 10.30am Goldfields Theatre

PLENARY SESSION 3

INCLUSIVE AND EQUITABLE TRANSPORT
Tangible equity outcomes for the betterment of all citizens

Safe and sustainable have been the pillars for transport for decades - while critical we also need to ensure our transport networks are inclusive and accessible. Technology can be an enabler and this panel will discuss how we can work with communities and match their needs.

PANEL DISCUSSION

MODERATOR
Elizabeth Kim
General Manager, Customer Experience & Operations (Chief Customer Officer), Transurban

PANELLISTS
Stephanie Wiggins
CEO, LA Metro

Carol Schweiger
Schweiger Consulting

Tim Haile
Executive Director, Contra Costa Transportation Authority

Dr Jonathan Spear
CEO, Infrastructure Victoria

Thursday 31 August 2023

1.30 – 3.00pm Goldfields Theatre

PLENARY SESSION 4

SAFETY AND EFFICIENCY
Getting real about delivering benefits from connectivity

With more than 1000 road crash deaths in Australia alone in 2022 (an increase of 5.8% from 2021) and in the millions globally - and more than 30% of GHG emissions from the transport sector - it's obvious that as an industry delivering safety and efficiency improvements needs to be our core business. How are we meeting that challenge?

MODERATOR
Brian Negus
Ambassador ITS Australia, Club Melbourne Ambassador
ITS World Congress Hall of Fame Member

Shailen Bhatt
Administrator, USA Federal Highway Administration

PANEL DISCUSSION:
Mario Filipovic
Manager, Product Management Office, Connected Vehicle Services, Digital Connected Services, Toyota Australia

Alfredo Escriba
Chief Technology Officer, Kapsch TrafficCom

Michele Mueller
Senior Project Manager for Connected, Automated, and Electrified Vehicles, Michigan Department of Transportation

Dr Steve Dellenback
Vice President R&D, Intelligent Systems Division Southwest Research Institute

Shailen Bhatt
Administrator, USA Federal Highway Administration

GLOBAL SUMMIT CLOSING:

MODERATOR
Susan Harris, CEO, ITS Australia

ITS World Congress 2023 Suzhou
ITS World Congress 2024 Dubai
Update on ITS Australia Activities
Conference close and thank you

Smart Infrastructure, Data Ecosystems | Sustainable / Equitable Transport | Future Mobility | Electric, Connected, Automated Transport | Policy and Harmonisation | Freight, Logistics, Drones

Big Issues Program

28–31 August 2023 | Melbourne Convention & Exhibition Centre

itsaustralia Global Summit 2023

Tue 29 August 2023

11.00am-12.30pm
Goldfields Theatre

BIG ISSUE 1

What is Big Tech projecting for the coming decade?

PANEL DISCUSSION

Industry is leading the way when it comes to delivering technologies that support a safe, efficient, sustainable and inclusive transport solutions. Hear from the CEOs and Executives from some of the biggest international technology companies on what they and their organisations are doing to prepare for the future.

MODERATOR
Bonnie Crawford
Vice President & General Manager, Cubic Transportation Systems

PANELLISTS
Alfredo Escriba
Chief Technology Officer, Kapsch TrafficCom

Ralf-Peter Schaefer
VP Product Management Traffic and Travel Information, TomTom

Thale Kuvås Solberg
President and CEO, Q-Free

Yolanda Babnik
General Manager Partnering and Transport Technology, Transurban

Mark Messenger
Head - Global Smart Ticketing and MaaS Solutions, NEC

Wed 30 August 2023

11.00am-12.30pm
Goldfields Theatre

BIG ISSUE 2

Connectivity vs automation - what's next?

PANEL DISCUSSION

While full automation might have been the goal connectivity can offer great strides in safety and efficiency now. This session will take on the challenges of connecting our vehicles and infrastructure to deliver real world benefits now and into the future.

MODERATOR
Dr Allison Stewart
Deputy CEO, Infrastructure Victoria

PANELLISTS
Sandy Cameron
Chief Executive Officer, Quantium Telstra

Dr Thorsten Burger
Head of Public Affairs, Continental

Professor Maria Pia Fanti
Department of Electrical and Information Engineering, Polytechnic University of Bari, Italy

Professor Majid Sarvi
Director, Australian Integrated Multimodal EcoSystem (AIMES), The University of Melbourne

Meera Day Towler
Space Robotics Program Manager, Intelligent Systems Division, Southwest Research Institute

Professor Nobuyuki Ozaki
Nagoya University Japan

3.30pm-5.00pm
Goldfields Theatre

BIG ISSUE 3

How are we reimagining mobility to meet the challenge of modern cities and communities?

PANEL DISCUSSION

Placemaking and walkable communities mean shared spaces and vibrant cities and communities - how people and goods move through the built environment impacts how we plan and grow. Through policy, technology and more how are we meeting the challenge?

MODERATOR
Melissa Perkins
A/Executive Director, Mobility as a Service Program Management Office, Office of the Director-General, Department of Transport and Main Roads QLD

PANELLISTS
Bonnie Crawford
Vice President & General Manager, Cubic Transportation Systems

Jerry Towler
Assistant Director, Robotics, Southwest Research Institute

Wolfgang Hoefs
Adviser for Digitalisation and Mobility, NMS New Mobility Solutions Hamburg GmbH

Olga Landolfi
Secretary General, TTS Italia

Hyeyoung Kim
Vice President, Head of Smart City Innovation Group - Hyundai Motor Company Korea

Thu 31 August 2023

9.00am-10.30am
Goldfields Theatre

BIG ISSUE 4

Low / Zero Emission transport – Who has the answers?

PANEL DISCUSSION

One of the tools in our sustainable transport future toolbox is transitioning to low and zero emission vehicles, from freight to buses to the family car, this is a complex challenge impacting the energy grid, demanding a circular lox emission supply chain, charging infrastructure and more, this session will bring together the pieces of this important puzzle.

MODERATOR
Mandi Mees
Head of National Rail Skills Reform, National Transport Commission

PANELLISTS
Tony Weber
CEO, Federal Chamber of Automotive Industries

Adele Beachley
Executive Director, SCATS Transport for NSW

Dr Steve Dellenback
Vice President R&D, Intelligent Systems Division, Southwest Research Institute

Joost Vantomme
CEO, ERTICO-ITS Europe

Nick Carne
Director Delivery, Energy Transition, Keolis Downer

Renata Berglas
Mobility Futures Leader and Chair, H2Q Australian Road Research Board

11.00am-12.30pm
Goldfields Theatre

BIG ISSUE 5

How are we meeting the challenge for inclusive transport?

PANEL DISCUSSION

Closing out the conference addressing the key pillars of the sector - this session on the importance and challenge of designing and delivering an inclusive and accessible transport service and finishing on safety. How are we as an industry working with communities, advocates and customers to design and deliver transport that works for everyone?

MODERATOR
Claire Thurston
Director Strategic Product, SCATS Transport for NSW

PANELLISTS
Professor Simon Kingham
School of Earth & Environment, University of Canterbury, New Zealand

Lee McKenzie
Manager Future Transport – Multi Modal and Innovation, Transport Services, New Zealand Transport Authority

Ming-Chih Tsai
Researcher, Technology Promotion Office, China Engineering Consultants, Taiwan

Jean Ruestman
Administrator of the Office of Passenger Transportation, Michigan Department of Transportation

Smart Infrastructure, Data Ecosystems | Sustainable / Equitable Transport | Future Mobility | Electric, Connected, Automated Transport | Policy and Harmonisation | Freight, Logistics, Drones

DAY 1 – Monday 28 August

28–31 August 2023 | Melbourne Convention & Exhibition Centre

Exh Bays 21-23	Goldfields Theatre (Ground Floor)	Eureka 1 (Ground Floor)	Eureka 2 (Ground Floor)	Eureka 3 (Ground Floor)	Hospitality Suite 6 (Level 1)	Hospitality Suite 7 (Level 1)
EXHIBITION BUILD Refer to Exhibitor Manual for access times	**GLOBAL MOBILITY FORUM**					
	10.00 – 11.00am REGISTRATION / ARRIVAL COFFEE (EUREKA FOYER, ground floor)					
	11.00am – 12.30pm **MOB 1** **Global Updates** **(ENTER VIA DOOR 14, ground floor)**	**11.00am – 12.30pm** **BREAKOUT 6** **Data Ecosystems** **MOD: Caroline Hill (Transport for NSW)**	**11.00am – 12.30pm** **BREAKOUT 7** **AI Impact on Smart Infrastructure** **MOD: Atif Maooied (Conduent)**	**11.00am – 12.30pm** **BREAKOUT 8** **Connected Transport – C-ITS Benefits, CAV** **MOD: Alex Humphry (Transurban)**		**11.00am – 12.30pm** **SIS 2** **Integrated Operations and Monitoring Control Systems for all Transurban Queensland assets – Project Clarence** **MOD: being confirmed**
	MODERATOR **Michelle Batsas** Director of Future Mobility, Victorian Department of Transport and Planning **PANELLISTS** **Joost Vantomme** Vice President MaaS Alliance & CEO ERTICO-ITS Europe **Jean Ruestman** Administrator, Office of Passenger Transportation, Michigan Department of Transport **Dr Jason Chang** Director, Advanced Public Transport Research Center, National Taiwan University VICTORIA State Government | Department of Transport and Planning	152. Using Road Usage Charge Data to Create a Connected Vehicle Data Fusion Center **Michael Warren (WSP USA)**	108. Enhancing the Safety of Vulnerable Road Users at Intersections **Carl Andersen (Federal Highway Administration)**	73. Next Generation – Smart Level Crossing Technology: ARTC experience **Henry Wu (JYW Consulting)**		155. This session will explore how Transurban successfully consolidated four existing Traffic Control Rooms across 81 kms of roads, tunnels and bridge operations into one new Network Operations Centre without affecting operations. This was a first for Transurban and arguably a first for Australia. Transurban Queensland was operating its seven assets across four geographically dispersed traffic control rooms, with four different Traffic Management Systems (TMCS) and three different Plant Management Systems (PMCS). **Angelo Lambrinos (Transurban)** **Joshua Till (Transurban)** **Marcos Candia Redondo (Indra)**
		189. Knowing our Passengers: Using Mobile GPS phone traces to Improve Tram Services **Nick Daly (Yarra Trams), Tianwei Yin (Keolis Downer)**	166. Innovative adaptive traffic control technique at signalized intersections based on artificial intelligence and real time object tracing input data **Piotr Kamiński (SWARCO)**	111. Standardisation of C-ITS Roadside Stations in Queensland and Australia **David Alderson (WSP), Nicholas Brook (Dept of Transport and Main Roads QLD)**		
		143. Unlocking the power of linked data at scale **Rhetta Chappell (Griffith University)**	211. Machine Vision for Smarter, Safer, Efficient and Compliant Australian Roads **Kusala Samarasinghe, Jonathan Doldren (Sensor Dynamics)**	128. How connected technologies will improve safety on our roads **Alex Ramsay (Transport for NSW)**		
		206. SystemLink Data and Asset Management Platform **Jonathan Mitchell (Braemac)**	246. Serious Accidents and Vulnerable Road Users: Artificial Intelligence To Help Fix Dangerous Roads **Ben Rippingale (Vivacity Labs)**	197. Establishing the end-to-end regulatory framework for automated vehicles in Australia **Aaron de Rozario (National Transport Commission)**		
			300. Smart Routine Real-Time Monitoring of Wire Rope Barriers **Richard Lynch (Viotel)**	62. Leveraging the National Telematics Framework to enable innovative transport solutions **Stuart Ballingall (Transport Certification Australia)**		
	Open Q&A with speakers	Open Q&A with speakers	Open Q&A with speakers	Open Q&A with speakers		Open Q&A with speakers
	12.30 – 1.30pm LUNCH (EUREKA FOYER, ground floor)					

Smart Infrastructure, Data Ecosystems | Sustainable / Equitable Transport | Future Mobility | Electric, Connected, Automated Transport | Policy and Harmonisation | Freight, Logistics, Drones

DAY 1 – Monday 28 August Continued

28–31 August 2023 | Melbourne Convention & Exhibition Centre

Exh Bays 21-23	Goldfields Theatre (Ground Floor)	Eureka 1 (Ground Floor)	Eureka 2 (Ground Floor)	Eureka 3 (Ground Floor)	Hospitality Suite 6 (Level 1)	Hospitality Suite 7 (Level 1)
EXHIBITION BUILD Refer to Exhibitor Manual for access times (Exh Bays 21, 22, 23)	**1.30pm – 3.00pm** **MOB 2** **Mobility Management** **(ENTER VIA DOOR 14, ground floor)**	**1.30 – 3.00pm** **BREAKOUT 11** **Safety, Security and Systems** **MOD: David Logan (Monash University Accident Research Centre)**	**1.30 – 3.00pm** **BREAKOUT 12** **Smart Motorways and Smart Freeways** **MOD: Shanelle McDonald (GHD)**	**1.30 – 3.00pm** **BREAKOUT 13** **Traffic Management Centres, Digital Twins and Smart Infrastructure** **MOD: David Bolt (Kapsch TrafficCom Australia)**	**1.30 – 3.00pm** **BREAKOUT 14** **Data Ecosystems** **MOD: Stephen Owens (ITS Technologist)**	**1.30 – 3.00pm** **SIS 3** **Cooperative and Highly Automated Driving – Queensland pilot results** **MOD: being confirmed**
	MODERATOR **Brian Negus** Ambassador ITS Australia, Club Melbourne Ambassador, ITS World Congress Hall of Fame Member **PANELLISTS** **Andy Taylor** Global Public Transport Leader, MasterCard **Sabine Schubbe** Adviser for European and International Affairs, Free and Hanseatic City of Hamburg **Martin Boehm** Technical Director, AustriaTech **Gretchen Newcomb** Director Partnerships, North America & Australasia, MobilityData VICTORIA State Government – Department of Transport and Planning	225. Safer Traffic Networks through Ai **Claus Oustrup (Felicity Smart Infrastructure)**	38. The impact of active road studs on driver behaviour – A safer, smarter, more sustainable approach to driver guidance in hours of darkness **Alastair King (Clearview Intelligence)**	45. The importance of improved technology integration for enhanced decision making **Kenneth Lewis (ARRB)**	154. Leveraging Untapped Live Traffic Data for Improved Road and Public Transport Operations **Matt McInnes (Lynxx)**	94. Present the final results from the Cooperative and Highly Automated Driving (CHAD) project and the project management team. More specifically, CHAD project was looking at the following dimensions: drivers, interaction with existing digital infrastructure, specific Australian use cases, public awareness, and demonstration of technologies. **Amit Trivedi (Dept of Transport and Main Roads QLD)** **Andry Rakotonirainy (Queensland University of Technology)** **Sebastien Glaser (Queensland University of Technology)** **Ioni Lewis (CARRS-Q, Centre for Accident Research and Road Safety, Queensland)** **Sebastien Demmel (CARRS-Q, Centre for Accident Research and Road Safety, Queensland)**
		232. Orchestrated Connected Corridors: The Key to improved road safety and traffic Management **Steve Sprouffske, Daniel Hoyne (Kapsch TrafficCom Australia)**	208. Managed motorways / Motorway global developments **Lachlan Gray, Andy Hooper (WSP)**	89. The Integrated Operations Management Control System at Australia's most advanced Motorway Control Centre **Manuel Gonzalez Arrojo (SICE)**	184. Situational Awareness for Network Intelligence **Peter Offiong (Transmax)**	
		174. Axle-based Vehicle Classification Using Tracking Radar **Alastair Wiggins, Victor Deville (Sensys Gatso Australia)**	173. Ventia's Intelligent Transport Systems Smarter and Greener Upgrade of Melbourne's M80 Freeway **Sarath Wijesinghe & James Bennett (Ventia)**	149. Traffic Management Switzerland – an Innovation Project for Swiss National Roads **Fred Kalt (Yunex Traffic)**	209. Digital twins enabling Connected Networks and Vehicles **David Mansfield, Jack Barlow (WSP Australia)**	
		23. An Analysis of the Influential Factors of Road Traffic Accidents in the Western Province of Sri Lank **Sudamma Chandrasiri (Institute of Automotive Engineers Sri Lanka)**	231. Using Radar Technology for Safety, Efficiency and Environmental Benefits Across The Road Network **Rebecca James (Navtech Radar)**	307. Digital Twins: Improving how people move through a large city **Ramin Massoumi (Arcadis)**	219. Map Manager: Driving location and business intelligence **Sheelan Vaez (Dept Transport & Planning VIC)**	
					313. Generative AI and Large Language Models for Future Mobility Analytics **Flora Salim (University of Sydney)**	
	Open Q&A with speakers	Open Q&A with speakers	Open Q&A with speakers	Open Q&A with speakers	Open Q&A with speakers	Open Q&A with speakers
	3.00 – 3.45pm AFTERNOON BREAK (EUREKA FOYER, ground floor)					
	3.45 – 5.00pm **MOB 3** **Where is the customer? Meeting satisfaction of the user** **(ENTER VIA DOOR 14, ground floor)**	**3.45 – 5.15pm** **BREAKOUT 15** **Sustainable Transport Futures** **MOD: Armin Guttke (ITS New Zealand)**	**3.45 – 5.15pm** **BREAKOUT 16** **Data Driven Solutions** **MOD: Ronny Kutadinata (NTRO / ARRB)**	**3.45 – 5.15pm** **BREAKOUT 17** **Connected Vehicles – Regulation and Safety** **MOD: Jules Snow (Intelematics)**	**3.45 – 5.15pm** **BREAKOUT 18** **Zero Emission and Alternate Mobility for Smart Cities and Freight** **MOD: Rich Mitchell (Aurecon)**	**3.45 – 5.15pm** **SIS 4** **Insights from Connected Vehicle Data** **MOD: being confirmed**
	MODERATOR **Segolene Deeley** Director Future Mobility and Corporate Affairs Keolis Downer **PANELLISTS** **Catherine Rooney** Executive Director, Mobility & Insights, Victorian Department of Transport and Planning, and Co-Chair, Global Summit **Sue Wiblin** Executive Director Emerging Technologies, Transport for NSW **Stephanie Wiggins** CEO, LA Metro VICTORIA State Government – Department of Transport and Planning	148. GreenAVO: Tracking Australia's Progress Towards Transport Decarbonisation **Jonathan Corcoran (University of Queensland)**	181. Transdev Network Solutions Analytics **Joseph Yurisich (Transdev)**	46. Guidelines for the Evaluation and Reporting of Automated Vehicle Trials – An Overview **David Green (ARRB / NTRO), Andrew Somers (Transoptim)**	37. How Electric On-Demand Transport helps New Zealand achieve its National Transport Sustainability Goals **Trystan Eeles (Liftango)**	67. Data from vehicles can provide us with a large range of insights that can help to improve our road networks. Connected vehicle data is now being used to detect near miss incidents, understand origin and destination, traffic speeds and more. This session will explore use cases for connected vehicle data. **Sal Petroccitto OAM (National Heavy Vehicle Regulator)** **Emily Bobis (Compass IoT)** **Marcus Burke (Ernst & Young)** **David Beck (Transurban)**
		236. Riding the Green Wave to Sustainable Mobility **Gerald Mateo (Kapsch TrafficCom Australia)**	214. Comparison of time-series data imputations for real-time traffic application **Zay Maung Maung Aye (University of Melbourne)**	63. Safety assurance for Automated Driving Systems: Key findings from expert interviews **Stuart Ballingall (The University of Melbourne)**	53. Impacts of Electric Vehicles on Transportation Systems Mgmt and Operations **Kevin Miller (Southwest Research Institute)**	
		218. An Evaluation on Carbon Reduction Benefits of Mobility as a Service **Ya-Wen Chen (National Taiwan University)**	207. A systematic data-driven framework for evaluating changes on traffic corridors **Alexander Paz, Frans Dekker (Queensland University of Technology)**	91. Psychological ownership, and its impact on public acceptance of shared autonomous vehicles **Lirui Guo (Monash University)**	216. The path towards zero-emission mobility with electric bus rapid transit (eBRT) systems **Giannis Karaseitanidis (Institute of Communication & Computer Systems)**	
		315. Paving the Way for a Sustainable Urban Mobility Future with Masabi's Justride SDK **Doug Howe (Masabi)**	141. Transport for NSW Centre-2-Centre (C2C) Interface evolution **Karthik Narayanan (Transport for NSW)**	117. Evaluation of the potential road safety benefits of semi- and fully-automated vehicles in Victoria **Azhaginiyal Arularasu (Monash University Accident Research Centre)**	244. Zero emissions freight: the trucks are ready but what's holding up the fleets? **Mark Gjerek (MOV3MENT), Lauren Hewitt (QLD Transport & Logistics Council)**	
				196. Benefits and recommendations of C-ITS uses cases based on international learnings **Elena Thode Minguet, Nigel Nielsen (WSP Australai)**	139. Sustainable Mobility for Smart Cities **Meng Lu (IEEE Intelligent Transportation Systems Society)**	
	Open Q&A with speakers	Open Q&A with speakers	Open Q&A with speakers	Open Q&A with speakers	Open Q&A with speakers	Open Q&A with speakers

Smart Infrastructure, Data Ecosystems | Sustainable / Equitable Transport | Future Mobility | Electric, Connected, Automated Transport | Policy and Harmonisation | Freight, Logistics, Drones

DAY 2 – Tuesday 29 August

28–31 August 2023 | Melbourne Convention & Exhibition Centre

itsaustralia Global Summit 2023

Exh Bays 21-23	Goldfields Theatre (Ground Floor)	Eureka 1 (Ground Floor)	Eureka 2 (Ground Floor)	Eureka 3 (Ground Floor)	Hospitality Suite 6 (Level 1)	Hospitality Suite 7 (Level 1)
	7.30 – 9.00am REGISTRATION / ARRIVAL COFFEE (EUREKA FOYER, ground floor)					
	OPENING PLENARY 1 – Sustainable Transport 8.45 – 10.30am (GOLDFIELDS THEATRE)					
	10.30 – 11.00am MORNING BREAK (EXHIBITION HALL, ground floor)					
EXHIBITION OPEN 10.30 am - 7.30 pm (Exh Bays 21, 22, 23)	**11.00am – 12.30pm** **BIG ISSUE 1** **PANEL DISCUSSION: What is Big Tech projecting for the coming decade?**	**11.00am – 12.30pm** **BREAKOUT 21** **Equitable Transport – Disability / Community: Engaged, In Touch and in Control** **MOD: Ben Hague (Via)**	**11.00am – 12.30pm** **BREAKOUT 22** **Policy & Harmonistation – ITS Systems Thinking** **MOD: Scott Benjamin (WSP Australia)**	**11.00am – 12.30pm** **BREAKOUT 23** **Connected Vehicles - Human Factors & Society** **MOD: Richard Delplace (Federal Chamber of Automotive Industries)**	**11.00am – 12.30pm** **BREAKOUT 24** **Queensland's Intelligent Transport Roadmap** **MOD: Dennis Walsh (Dept of Transport and Main Roads QLD)**	**11.00am – 12.30pm** **SIS 5** **Innovation does not mean automation: Community Transport & the innovation landscape** **MOD: Stacey Ryan (ITS Australia)**
	MODERATOR **Bonnie Crawford** Cubic Transportation Systems **PANELLISTS** **Alfredo Escriba** Chief Technology Officer, Kapsch TrafficCom **Ralf-Peter Schaefer** VP Product Management Traffic and Travel Information, TomTom **Thale Kuvås Solberg** President and CEO, Q-Free **Yolanda Babnik** General Manager Partnering and Transport Technology, Transurban **Mark Messenger** Head - Global Smart Ticketing and MaaS Solutions, NEC optibus	32. Accessibility and Technology: Solving the most difficult accessibility cases benefits all public transport users **Erik van Vulpen (La Trobe University)**	31. Data as driver for a sustainable European mobility system **Martin Boehm (AustriaTech)**	98. Synchronisation between virtual and physical environments in an automated vehicle simulation **Dmitry Lanchtchikov (Arcadis)**	Queensland, Australia, renowned for livable communities and a strong economy, gears up for the 2032 Brisbane Olympic Games. The global ITS leader, Queensland's Department of Transport and Main Roads (TMR), drives innovation through partnerships. This session outlines TMR's plans for customer mobility, transport operations, road safety, and asset management. The Queensland University of Technology (QUT) Centre for Future Mobility, a research partner, will also provide research updates. **Department of Transport and Main Roads QLD Panellists:** **Dennis Walsh, Chief Engineer** **Melissa Perkins, A/Executive Director, Mobility as a Service Program Management Office, Office of the Director-General** **Dusty Miller, Director (Digital Solutions)** **Vincent Doran, General Manager, Statewide Network Operations** **Andry Rakotonirainy (Queensland University of Technology)**	87. Community transport serves to enhance people's quality of life by providing inclusive, equitable, and accessible transportation solutions. Human connection is integral to this industry, so innovation shouldn't always mean automation. A sustainable and connected transport system can also be a community service that is safe and available for all. Community transport caters to vulnerable individuals who may be excluded by more automated and scheduled services. However, providers often face challenges such as funding restrictions, regulatory complexities, and eligibility constraints. **Ben Whitehorn (Randwick Waverley Community Transport Group Limited)** **Doug Howe (Masabi)** **Greg Stanger (Activus Transport)** **Marnie O'Loughlin (Community Transport)** **Patsy Wilshire (STAR Community Services)** **Tara Russell (Community Transport Organisation)**
		41. Implementing sustainable and equitable transportation at scale; lessons from Ring & Ride: UK's largest full-scale demand responsive transport service **Ainsley Hughes (Liftango)**	61. ITS Architecture for an Open and Interoperable Intelligent Transport System Deployment **Cory Ross (Main Roads Western Australia), Dean Economou (Seisma Group)**	100. Using 5G to Enhance Automated Vehicle Operation **Andrew Mehaffey (HMI Technologies)**		
		97. A roadmap to transport equity: Improving quality of life through MaaS technology **Claus von Hessberg (Skedgo)**	205. Tactical Adelaide Model – A common reference point **Timothy Lim (Aimsun), Keyvan Pourhassan (South Australian Dept for Infrastructure and Transport)**	101. Generation of training datasets for ML methods for autonomous vehicles from simulations **Niki Georgiou (Institute of Communication and Computer Systems)**		
		183. Accessible Transport Action Plan **Joana Feiteira (Transdev)**	191. ITxPT connects EVs like never before **David Panter (Trapeze)**	187. An adaptive framework for the social coordination of human and autonomous vehicles **Faruk Ahmic (Monash University)**		
		56. Equity of transport access in Sub-Saharan African Cities **Gift Dumedah, Samuel Adu-Prah (Kwame Nkrumah University of Science and Technology)**	198. Leveraging Network Operations Planning for Community-Oriented Transport Outcomes **Erin Jackson (GHD)**			
		Open Q&A with speakers	Open Q&A with speakers	Open Q&A with speakers		Open Q&A with speakers
	12.30 – 1.30pm LUNCH (EXHIBITION HALL, ground floor)					

Smart Infrastructure, Data Ecosystems | Sustainable / Equitable Transport | Future Mobility | Electric, Connected, Automated Transport | Policy and Harmonisation | Freight, Logistics, Drones

DAY 2 – Tuesday 29 August Continued

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Exh Bays 21-23	Goldfields Theatre (Ground Floor)	Eureka 1 (Ground Floor)	Eureka 2 (Ground Floor)	Eureka 3 (Ground Floor)	Hospitality Suite 6 (Level 1)	Hospitality Suite 7 (Level 1)
EXHIBITION OPEN 10.30 am - 7.30 pm (Exh Bays 21, 22, 23)		**1.30 – 2.30pm** **BREAKOUT 27** **Sustainable Transport** **MOD: Segolene Deeley (Keolis Downer)**	**1.30 – 2.30pm** **BREAKOUT 28** **Sustainability, Safety and Smart Infrastructure** **MOD: Alex Chapman (GHD)**	**1.30 – 2.30pm** **BREAKOUT 29** **Testing for the Future** **MOD: Massimo Marciani (FIT Consulting)**	**1.30 – 2.30pm** **BREAKOUT 30** **Connected Transport – C-ITS Implementation Considerations** **MOD: Matthew McLeish (Kapsch TrafficCom Aust)**	**1.30 – 2.30pm** **SIS 6** **Standardisation Requirements for Active Mobility** **MOD: Stephanie Chaufton (Traveller Information Association Services)**
		22. Reconsidering Roadspace using economic indicators to improve sustainable transport **Graham McCabe (Urbis)**	76. Ensuring Correct Planning, Development and Implementation via an Intelligent Transport System (ITS) PDI Framework **Chris Venables (Main Roads Western Australia)**	245. MODI accelerates the introduction of highly automated solutions to improve European logistic chains **Silje Troseth (Q-Free Australia)**	107. Cooperative Driving Automation and the CARMA Ecosystem **Carl Anderson (Federal Highway Administration)**	168. The popularity of active mobility modes like cycling and scooters is rising, particularly in densely populated areas with heavy car traffic. TISA conducted a gap and overlap analysis of ongoing standardization efforts, aiming to improve interoperability and collaboration among different activities. **Danny Woolard (Chiltech, GEWI, VESOS Solutions)** **Paul Yacoumis (The Victorian Department of Transport and Planning)** **Stephanie Chaufton (Traveller Information Association Services)** **Samuel Pierce (Cycling Industries Europe)**
		36. Solving Scope 3 emissions through transport partnerships – lessons for Australia from the rest of the world **Ainsley Hughes (Liftango)**	104. Smart Delivery in a Pandemic **Marcus van der Velden (Arcadis)**	142. Modelling and assessment of Connected and Automated Vehicles in simulation environments **Dave Keenan (Aimsun)**	195. C-ITS Next Steps – options from a rapid Cost- Benefit Analysis of national deployment of C-ITS **Scott Benjamin (WSP Australia)**	
		49. Are we doing enough to inform Governments how transport needs to change to achieve climate targets **Kerry Farley (Arup)**	116. The Hidden Complexity of Smart Motorway Operations **Simon Gough (GHD)**	226. Roads of the Future – C-ITS and associated data and communications requirements for Autonomous Vehicles in Australia **Grant Saunders (SMEC Australia), Mike Erskine (GHD)**	281. C-ITS pre-deployment in Melbourne **Michelle Batsas (Victorian Department of Transport and Planning)**	
		Open Q&A with speakers	Open Q&A with speakers	Open Q&A with speakers	Open Q&A with speakers	
	2.30 – 3.30pm AFTERNOON BREAK (EXHIBITION HALL, ground floor) **Next sessions start half-way through Afternoon Break***					
			(starts half-way through Afternoon Break) **3.00 – 4.00pm*** **BREAKOUT 34** **China's Expressways** **MOD: Matt Harrison (ITS Australia)**	(starts half-way through Afternoon Break) **3.00 – 4.00pm*** **BREAKOUT 35** **Connected Transport – CV Concepts** **MOD: Victor Shapilsky (Transport for NSW)**	(starts half-way through Afternoon Break) **3.00 – 4.00pm*** **BREAKOUT 36** **Drones, Freight and Logistics** **MOD: Geoffrey Hamilton (Aurecon)**	(starts half-way through Afternoon Break) **3.00 – 4.00pm*** **SIS 7** **Cooperative thinking in Future Technology Test Beds** **MOD: Scott Benjamin (WSP Australia)**
			220. Statistical method system construction of expressway traffic volume in China based big data **Zandi Shang, Lei Zhou (China Academy of Transportation Sciences)**	29. Status of C-ITS deployment in Europe **Martin Boehm (AustriaTech)**	109. Improving pedestrian and cyclist safety at a signalised intersection using drone footage **Ryszard Gorell (GHD)**	203. A future technology testbed is a facility or network for testing and developing new mobility technologies. These testbeds offer controlled environments to test connected and autonomous vehicles, smart infrastructure, and mobility-as-a-service platforms. They also foster collaboration among researchers, industry partners, and government agencies to share knowledge and expertise. **Majid Sarvi (AIMES - The University of Melbourne)** **Evan Walker (Transport for NSW)**
			210. Exploring the spatiotemporal mobilities of freight truck on the expressway base on ETC gantry data **Jingsong Ye, Jiandong Cao (China Academy of Transportation Sciences)**	110. Enhancing Safety in Roadworks using C-ITS: A Proof of Concept for Temporary Traffic Management in an Australian Context **David Alderson (WSP Australia), Jian Qin (Dept of Transport and Main Roads QLD)**	222. Data-driven, Integrated, Syncromodal, Collaborative and Optimised urban freight meta model for a new generation of urban logistics **Paola Cossu (Fit Consulting)**	
				120. C-ITS Central Facility – journey from pilot enabler to cross- jurisdictional platform **Simon Kowaltzke (Dept Transport and Main Roads QLD), Nigel Nielsen (WSP Australia)**	241. Maritime ITS, a stepping stone towards multimodal mobility and logistics chains **Trond Hovland (ITS Norway)**	
				Open Q&A with speakers	Open Q&A with speakers	Open Q&A with speakers
	4.00 – 4.15pm SESSION CHANGE OVER (15 MIN)					
	PLENARY SESSION 2 – PANEL DISCUSSION: Mobility Digital Infrastructure **4.15 – 5.30pm – Goldfields Theatre**					
	WELCOME RECEPTION – all welcome **5.30 – 7.30pm (EXHIBITION HALL – Exh Bays 21, 22, 23)**					

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DAY 3 – Wednesday 30 August

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Exh Bays 21-23	Goldfields Theatre (Ground Floor)	Eureka 1 (Ground Floor)	Eureka 2 (Ground Floor)	Eureka 3 (Ground Floor)	Hospitality Suite 6 (Level 1)	Hospitality Suite 7 (Level 1)
	8.00 – 9.00am ARRIVAL COFFEE (EUREKA FOYER, ground floor)					
EXHIBITION OPEN 8am – 5pm	**PLENARY SESSION 3 – Inclusive and Equitable Transport** **9.00 – 10.30am (GOLDFIELDS THEATRE)**					
	10.30 – 11.00am MORNING BREAK (EXHIBITION HALL, ground floor)					
	11.00am – 12.30pm **BIG ISSUE 2** **PANEL DISCUSSION: Connectivity vs automation - what's next?**	**11.00am – 12.30pm** **BREAKOUT 39** **AASHTO: Key Initiatives from Leading US Highway and Transportation Departments** **MOD: King W Gee (AASHTO)**	**11.00am – 12.30pm** **BREAKOUT 40** **Case Study on Policy Enhancing ITS** **MOD: Renata Berglas (NTRO / ARRB)**	**11.00am – 12.30pm** **BREAKOUT 41** **Data Analytics / Ecosystems** **MOD: Nigel Nielsen (WSP Australia)**	**11.00am – 12.30pm** **BREAKOUT 42** **Public Transport Innovation and Equitable Transport** **MOD: Eckhard Kemmerer (Briometrix)**	**11.00am – 12.30pm** **SIS 8** **Emergency Alerts & Warnings for Drivers, Automated Vehicles and beyond** **MOD: Stephanie Chaufton (TISA)**
	MODERATOR **Dr Allison Stewart** Deputy CEO, Infrastructure Victoria **PANELLISTS** **Sandy Cameron** CEO, Quantium Telstra **Dr Thorsten Burger** Head of Public Affairs, Continental **Professor Maria Pia Fanti** Department of Electrical and Information Engineering, Polytechnic University of Bari, Italy **Professor Majid Sarvi** Director, Australian Integrated Multimodal EcoSystem (AIMES), The University of Melbourne **Meera Day Towler** Space Robotics Program Manager, Intelligent Systems Division, Southwest Research Institute **Professor Nobuyuki Ozaki** Nagoya University Japan	Moving people and goods safely and efficiently are the goals of transportation system management and operations (TSMO) which have been greatly enabled by ITS technologies. Six executives from American state and local transportation agencies will present their priority challenges and ITS initiatives planned or underway aimed at addressing such mobility needs. **Roger Millar (Washington State Department of Transportation & AASHTO President)** **Craig Thompson (Wisconsin Department of Transportation & AASHTO Vice President)** **Marc Williams (Texas Department of Transportation)** **Tracy Larkin (Nevada Department of Transport)** **Tilly Chang (San Francisco County Transportation Authority)** **Alyssa Rodriguez (City of Henderson, Nevada)** ARCADIS	70. Systematic testing and commissioning driving operational outcomes **Cory Ross (Main Roads Western Australia)**	132. Innovating with and for your customers **Claire Thurston (Transport for NSW)**	54. Turning disruption into a positive experience **Russ Yell (Optibus)**	167. During large-scale emergencies like flooding or bushfires, road closures can cause confusion for drivers, especially those unfamiliar with the local area or language. The CAP protocol has made progress in global adoption, but there's a need for a solution tailored to the automotive industry. TISA has integrated the logical data model into the widely adopted TPEG2 traffic information protocol suite. This provides a specialized outlet for public authorities and road operators to manage exceptional situations, offering detailed instructions and information about the cause. It's also beneficial for automated driving vehicles relying on curated external information. **Danny Woolard (Chiltech, GEWI, VESOS Solutions)** **Eliot Christian (Alert-Hub.org)** **Robert Finney (Intelematics)** **Stephanie Chaufton (Traveller Information Association Services)** **Daniel Kelly (HERE Technologies)**
			102. Exploring electrification drivers of change with a System Dynamics model **Nikos Papakatsikas (WSP Sweden)**	60. Train level crossings in NSW **Emily Bobis (Compass IOT)**	131. Optimising transport priority on congested roads **Andrew Wurf (Transport for NSW)**	
			140. Building Safer Roads – Regulations and Uniformities **Samira Namin (Aurecon)**	68. The impact of using hybrid data for travel time reliability measurement **Ronny Kutadinata (Australian Road Research Board), Frans Dekker (Dept Transport & Main Roads QLD)**	48. Universally Designed Autonomous Vehicle People Mover Research **Kevin Cocks, Alexander Paz (Dept Transport and Main Roads QLD)**	
			160. Improving Incident Management for safer Tunnel Operations **Gavin Reeve, Praveen Perera Kurukulasooriya, Alexander Griffin (Integrate)**	78. Implementation of a Real Time Operating Platform to provide sophisticated and real-time controls, data **Chris Venables, Tanya Zaknich (Main Roads Western Australia)**	311. Accessibility guidelines for Low and Zero Emission Vehicle Charging Infrastructure **Erik van Vulpen (La Trobe University)**	
			178. Exploring Autonomous Driving and Drunk Driving: Challenges, Solutions, and Future Directions **Hung-chang Chen (National Taiwan University)**		201. NaviLens: A New Tool for Accessible and Inclusive Public Transport **Wayne Speers, Damian Chappell (Yarra Trams)**	
			Open Q&A with speakers	Open Q&A with speakers	Open Q&A with speakers	Open Q&A with speakers
	12.30 – 1.30pm LUNCH (EXHIBITION HALL, ground floor)					
		1.30 – 2.30pm **BREAKOUT 45** **Data Analytics / Ecosystems** **MOD: Elena Thode Minguet (WSP Australia)**	**1.30 – 2.30pm** **BREAKOUT 46** **Tunnels, Rail and Tolling Systems** **MOD: Daniel Verstraten (Arup)**	**1.30 – 2.30pm** **BREAKOUT 47** **Sustainable Transport** **MOD: Andrew Somers (Transoptim)**	**1.30 – 2.30pm** **BREAKOUT 48** **Mobility as a Service / OnDemand - Research & Analysis** **MOD: Shivaani Polley (WSP Australia)**	**1.30 – 2.30pm** **SIS 9** **Journey towards an Autonomous Freight Future** **MOD: Praveen Reddy**
		230. National V2X Data Exchange for safer Australia **Alex Shnaider (Telstra)**	114. Burnley Tunnel Pacemaker Lighting System **Carolina Velasquez, Andrew Eckersley (Transurban)**	69. 20 Minute Neighbourhood Walkable Social Infrastructure **Amolika Sinha, Robert Kochhan (Australian Road Research Board)**	50. MaaS, platform use and social entrepreneurship: Lessons from South America to Australia **Luis Hernando Lozano Paredes (University of Technology Sydney)**	164. The opportunity and potential for autonomous vehicle technology to address these challenges has never been greater. **Jeremy Nassau (Transurban)** **Rahila David (Centre for Connected and Automated Transport)** **Trent Williams (Stantec)**
		233. The journey of mobility data and the role it plays in a complex network ecosystem to make smarter, more informed decisions **Thomas Leuchtner (Kapsch TrafficCom)**	138. Meeting the need for location services in underground transport and dense urban environments **Uday Poonia (Transport for NSW)**	115. Data, the real fuel for renewables and zero emission buses **Iain Russell (Telstra)**	145. Laying the regulatory foundations of Mobility as a Service: A Queensland perspective and approach to reform **Paul Scott (Dept Transport and Main Roads QLD)**	
		119. Leveraging tools and data to improve service delivery **William Taroni (Yunex Traffic)**	158. Technology Roadmap for Level Crossing Safety **Brittany Croft (WSP Australia)**	137. The Future of Transportation: Achieving Sustainable, Seamless Mobility for All **Galen Chui (Cubic Transportation Systems)**	202. Customer uptake and preference analysis for Mobility as a Service (MaaS) schemes **Alexander Paz (QLD University of Technology), Paul Scott (Dept Transport and Main Roads QLD)**	
		Open Q&A with speakers	Open Q&A with speakers	Open Q&A with speakers	Open Q&A with speakers	Open Q&A with speakers
	2.30 – 3.30pm AFTERNOON BREAK (EXHIBITION HALL, ground floor) **2.30pm National Women in Transport Networking Reception (EXHIBITION HALL – Lounge 2)**					

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DAY 3 – Wednesday 30 August Continued

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Exh Bays 21-23	Goldfields Theatre (Ground Floor)	Eureka 1 (Ground Floor)	Eureka 2 (Ground Floor)	Eureka 3 (Ground Floor)	Hospitality Suite 6 (Level 1)	Hospitality Suite 7 (Level 1)
EXHIBITION OPEN 8am – 5pm (Exh Bays 21-23)	**3.30 – 5.00pm** **BIG ISSUE 3** **PANEL DISCUSSION: How are we reimagining mobility to meet the challenge of modern cities and communities?**	**3.30 – 5.00pm** **BREAKOUT 51** **Equitable Transport - Systems: Who is Leading Who - People, Tech and Delivery** **MOD: Georgina Leahy (WSP Australia)**	**3.30 – 5.00pm** **BREAKOUT 52** **Policy & Organisational Culture Challenges in Adopting ITS** **MOD: Inger Gartner (Cubic Transportation Systems)**	**3.30 – 5.00pm** **BREAKOUT 53** **Communications and Smart Infrastructure** **MOD: Vibeke Matthews (NTRO / ARRB)**	**3.30 – 5.00pm** **BREAKOUT 54** **A Cooperative Research Centre Approach to Tackling Transport Challenges** **MOD: Jackie King (iMOVE Australia)**	**3.30 – 5.00pm** **SIS 10** **Getting Past the Technology Hype: Why are Innovative Solutions Not Becoming Reality?** **MOD: Dean Zabrieszach (HMI Technologies)**
	MODERATOR **Melissa Perkins** A/Executive Director, Mobility as a Service Program Management Office, Office of the Director-General, Department of Transport and Main Roads QLD **PANELLISTS** **Bonnie Crawford** Vice President & General Manager, Cubic Transportation Systems **Jerry Towler** Assistant Director, Robotics, Southwest Research Institute **Wolfgang Hoefs** Adviser for Digitalisation and Mobility, NMS New Mobility Solutions Hamburg GmbH **Olga Landolfi** Secretary General, TTS Italia **Hyeyoung Kim** Hyundai Motor Company Korea	40. Best Practice Technology and Human Intervention in Community Transport Delivery **Bethany Langford (Community Transport)**	80. A Study on the Improvement of Korea's Legal System for the Safety of Micro-Mobility **JeongHo Kho (The Korea Road Traffic Authority)**	34. Development and testing of a novelty remote sensing device to measure vehicle emissions from existing ITS infrastructure **Javier Buhigas (OPUS RSE)**	**Decarbonising transport through collaboration** 278. In this session we will highlight some of the project successes so far and consider the nature and role of successful collaborations in delivering these, particularly as they contribute to our urgent need to decarbonise transport. It will also consider other ways in which iMOVE is supporting collaboration and creation of knowledge for the sector, including through its education program. We will present some of the high-quality research being undertaken through our large PhD program – a sometimes undervalued mechanism for delivering new thinking and talent into the sector. **Ian Christensen (iMOVE Australia)** **Frazer Thorpe (iMOVE Australia)** **Miguel Loyola (The University of Sydney)** **Alex Clifton (Edith Cowan University)** **Tariq Munir (Swinburne University of Technology)**	72. In the past decade, innovative technologies aimed at reducing congestion and improving road safety have been introduced to the surface transportation system. However, their widespread deployment has been slow, and road congestion and accidents remain prevalent. The panelists will discuss the reasons behind the slow implementation of beneficial technologies and the need to consider the broader transportation ecosystem. Achieving goals such as saving lives requires effectively scaling up these technologies. **Mahmood Hikmet (Ohmio Automotion)** **Marion Terrill (Grattan Institute)** **Steve Dellenback (Southwest Research Institute)** **Young-Jun Moon (Korea Advanced Institute of Science and Technology)**
		74. How a systems approach to policy and regulation can help ensure advances in transport technology produce equitable outcomes **Michael Rudge (Rudge Consulting)**	135. Multi-modal transport management: charting the path towards digital mobility **Pawankumar Kamat (Cubic Transportation Systems)**	71. Communications infrastructure remediation through a live operational environment **Aftab Hussain (Main Roads Western Australia)**		
		172. A national approach to public transport ticketing in Aotearoa New Zealand **Yogesh Anand (New Zealand Transport Agency)**	234. Achieving Digital Transformation: Preparing the infrastructure and policy framework to deploy the latest in ITS technology **David Bolt (Kapsch TrafficCom Australia)**	186. Computer Vision and Machine-Learning in Traffic Safety and Operational Efficiency **Simon Washington (AMA Group)**		
		312. Unlocking customer benefits to Victoria's public transport ticketing system **Devina Hassanaly (The Victorian Department of Transport and Planning)**	105. Accelerating Australia's EV Transition **Colum Crawford (Arcadis)**	192. Complex ITS enabling Major Freeway Upgrade **Neil Barker, Raed Dabit (Downer Transport)**		
				306. Redefining Traffic Signal Infrastructure: Distributed Signaling **Harrison Kraus, Thomas Jeffrey (BRAUMS)**		
		Open Q&A with speakers	Open Q&A with speakers	Open Q&A with speakers	Open Q&A with speakers	Open Q&A with speakers

SUMMIT SOCIAL NIGHT
7pm – 10pm (Showtime South Wharf) Additional Ticket Required – 2 min mostly undercover walk from convention centre

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DAY 4 – Thursday 31 August 2023

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	8.00 – 9.00am ARRIVAL COFFEE (EUREKA FOYER, ground floor)					
EXHIBITION OPEN 8am – 1.30pm (Exh Bays 21-23)	9.00 – 10.30am BIG ISSUE 4 PANEL DISCUSSION: Low / Zero Emission transport - Who has the answers?	9.00 – 10.30am BREAKOUT 57 Sustainable Transport MOD: Brittany Croft (WSP Australia)	9.00 – 10.30am BREAKOUT 58 Connected Transport – C-ITS Benefits, CAV MOD: Iain McGlinchy (ITS New Zealand)	9.00 – 10.30am BREAKOUT 59 Connected Vehicles – Pilots and the Real World MOD: Thomas Teo (Transport for NSW)	9.00 – 10.30am BREAKOUT 60 Mobility as a Service / OnDemand – Case Studies MOD: Sharon Kindleysides (European Logistics Association)	9.00 – 10.30am SIS 11 Sustainable transport goals for local councils
	MODERATOR **Mandi Mees** Head of National Rail Skills Reform, National Transport Commission **PANELLISTS** **Tony Weber** CEO, Federal Chamber of Automotive Industries **Adele Beachley** Executive Director, SCATS Transport for NSW **Dr Steve Dellenback** Vice President R&D, Intelligent Systems Division, Southwest Research Institute **Joost Vantomme** CEO, ERTICO-ITS Europe **Nick Carne** Director Delivery, Energy Transition, Keolis Downer **Renata Berglas** Mobility Futures Leader and Chair, H2Q Australian Road Research Board	127. Evaluating the impact of traffic signal priority on the Liverpool-Parramatta transitway (LPT) **Kamil Bagde (Transport for NSW)** 170. A cities approach to Environmental Traffic Management **Phillip Walsh (Yunex Traffic), Alex Torday (Aimsun)** 161. Smarter Trams – Keolis Downer, proud operator of Yarra Trams **Glenn Taunt (Keolis Downer)**	153. Policy Impact Analysis on C-ITS in Australia **David Alderson (WSP Australia)** 75. State Wide Virtual Variable Message Signs through in car applications **Chris Venables (Main Roads Western Australia)** 77. Connected motorcycles: The technology is ready, are riders? **Erik van Vulpen (La Trobe University)** 96. A Deep Reinforcement Learning Approach for Vehicle- Pedestrian Adaptive Traffic Signal Control **Mobin Yazdani (The University of Melbourne)**	103. Collaborative Research Framework for ADS Developers and IOOs **John Harding (US Department of Transport)** 106. Move over airplanes – airports need good pilots too! **Trent Williams, Lara Al-Hassany (Stantec)** 147. Development of Harmonised Safety Management Plan for Automated Vehicle Across Land Domain **Ronny Kutadinata (Australian Road Research Board)** 175. Enhancing First & Last Mile MRT Connections using On-demand, Autonomous, Shared E-mobility SG **Thanura Rabel (Jacobs), Hyeyoung Kim (Hyundai Motor Company Korea)** 215. StarBED Project – Designing for Optimal Autonomous Mobility Service Operation **David Ng (PTV Group Asia Pacific)**	146. ODIN Pass: A Mobility as a Service trial **Melissa Perkins (Dept of Transport and Main Roads QLD)** 217. Developing a Sustainable and Inclusive Mobility Hub in Christchurch, New Zealand **Andrew Radford (Jacobs)** 179. Implementing a Mobility as a Service (MaaS) framework – Learnings from the UK and approaches for Australia and New Zealand **Shivaani Polley, Giles Perkins (WSP Australia)** 190. On Demand Mobility Service Needs for Taitung County Residents **Chang Chia Cheng (National Taiwan University)** 58. FlexiRide Victoria: Scaling On Demand Statewide **Michael Irwin (Moovit)**	
	Open Q&A with speakers	Open Q&A with speakers	Open Q&A with speakers	Open Q&A with speakers	Open Q&A with speakers	Open Q&A with speakers
	10.30 – 11.00am MORNING BREAK (EXHIBITION HALL, ground floor)					
	11.00am – 12.30pm BIG ISSUE 5 PANEL DISCUSSION: How are we meeting the challenge for inclusive transport?	11.00am – 12.30p BREAKOUT 63 Data Analytics / Ecosystems MOD: Lachlan Gray (WSP Australia)	11.00am – 12.30pm BREAKOUT 64 New Mobility Innovations MOD: David McWilliam (Transport for NSW)	11.00am – 12.30pm BREAKOUT 65 Equitable & Accessible Transport Improving Safety MOD: Tegan Ross (Aurecon)	11.00am – 12.30pm BREAKOUT 66 Active Transport	11.00am – 12.30pm SIS 12 Equitable road pricing and mobility MOD: Elly Short (WSP Australia)
	MODERATOR **Claire Thurston** Director Strategic Product, SCATS Transport for NSW **PANELLISTS** **Professor Simon Kingham** School of Earth & Environment, University of Canterbury, New Zealand **Lee McKenzie** Manager Future Transport – Multi Modal and Innovation, Transport Services, New Zealand Transport Authority **Ming-Chih Tsai** China Engineering Consultants Taiwan **Jean Ruestman** Administrator of the Office of Passenger Transportation, Michigan Department of Transportation	90. Managed motorway and arterial interface study **Sui Yong (Vic Dept of Transport and Planning), Christian Chong-White (SAGE Group)** 304. Real-Time data in the Urban Data Platform as a basis for Urban Digital Twins for Smart Traffic Management: Implementation Insights from Hamburg **Michael Fischer (Agency for Geoinformation and Surveying Hamburg)** 123. The Spatial Digital Twin for Tunnels – Unlocking the Value of Geospatial Data **James Sanderson (Intellispatial)** 126. Utilising predictive simulation to evaluate the impact of construction traffic management **Ian McCarthy (Aimsun)**	8. Electric Air Taxis – coming sooner than you think **Clem Newton-Brown OAM (Skyportz)** 240. Advanced its technologies and AI for intelligent corridor management **Neema Nassir (The University of Melbourne), David Bolt (Kapsch TrafficCom Australia)** 21. How Advanced Air Mobility with change the future mobility landscape **Natasha Santha (LEK Consulting)** 235. Built for Connection – How to enable a connected Transport ecosystem **Dylan Fernandes (Kapsch TrafficCom Australia)** 249. Hydrogen for… whom? **Mark Gjerek (MOV3MENT)**	55. Addressing fatigue and inattention: where to from here for driver monitoring technologies? **Andrew Somers (Transoptim)** 165. Applications of geo-information and spatial analysis for road crashes **Jing Ying Zhang (National Taiwan University)** 248. AVs as Mass Transportation **Ben Hague (Via Mobility)** 177. YuBike **Felicity Williams-Lovegrove (Yunex Traffic)**	95. Herd Routes: Improving Female Pedestrian Safety on City Streets **Wynita Griggs (Monash University)** 57. Development of a Load Balancing System for Smart Cities **Kevin Miller (Southwest Research Institute)** 162. Cost benefit analysis of active modes of transport: international review and comparative analysis of guidance and tools **Belen Zapata-Diomedi (RMIT University)** 303. Cycle Priority **Chris Myatt, Sop Khim (Q-Free Australia)**	**in an age of electrification** 200. Road pricing is a complex issue in Australia. While tolling technology has changed infrastructure funding, area-wide pricing has not progressed significantly. The panel will discuss road pricing approaches from the Nordics, USA, and Australia. **Jonathan Spear (Infrastructure Victoria)** **Nikos Papakatsikas (WSP Sweden)** **Elly Short (WSP Australia)**
	Open Q&A with speakers	Open Q&A with speakers	Open Q&A with speakers	Open Q&A with speakers	Open Q&A with speakers	Open Q&A with speakers
	12.30 – 1.30pm LUNCH (EXHIBITION HALL, ground floor)					

Smart Infrastructure, Data Ecosystems | Sustainable / Equitable Transport | Future Mobility | Electric, Connected, Automated Transport | Policy and Harmonisation | Freight, Logistics, Drones

DAY 4 – Thursday 31 August 2023 Continued

28–31 August 2023 | Melbourne Convention & Exhibition Centre

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Exhibitor Move Out	CLOSING PLENARY 4 – Connectivity and Safety 1.30 – 3.00pm (GOLDFIELDS THEATRE)
	CLOSING NETWORKING REFRESHMENTS – all welcome 3.00 – 4.00pm (EUREKA FOYER, ground floor)