ITS 호주 써밋(Summit) 2023 개요

'23.07.27.(목), 공공지원본부 국제협력팀

□ 개요

ㅇ 기   간 : 2023. 08. 28.(월) ~ 08. 31.(목)

ㅇ 개최국(지) : 호주(멜버른)

　　※ 장소 : Melbourne Convention & Exhibition Centre

ㅇ 주   제 : "Accelerating smarter, safer, sustainable transport"
　　　　　　 (더 스마트하고 안전하며 지속 가능한 교통으로의 가속화)

ㅇ 주   최 : ITS Australia

ㅇ 총회구성 : 전시회, 기술시연/시찰, 세션(글로벌 모빌리티 포럼, SIS 등)

ㅇ 세부 주제

 - 스마트 인프라 및 데이터 생태계

 - 지속 가능하고 형평성 있는 교통

 - 전기, 연결, 자동화 운송

 - 미래 모빌리티

 - 정책 및 조화

 - 화물, 물류, 드론

ㅇ 주요 발표자

 - ERTICO(Joost Vantomme), ITS 호주(Susan Harris, Brian Negus), ITS 미국(Laura Chace), ITS 대만(Jason Chang), ITS 싱가포르(Chin Kian Keong, Fred Kalt), ITS 뉴질랜드(Lee McKenzie), 한국(문영준) 등 참가
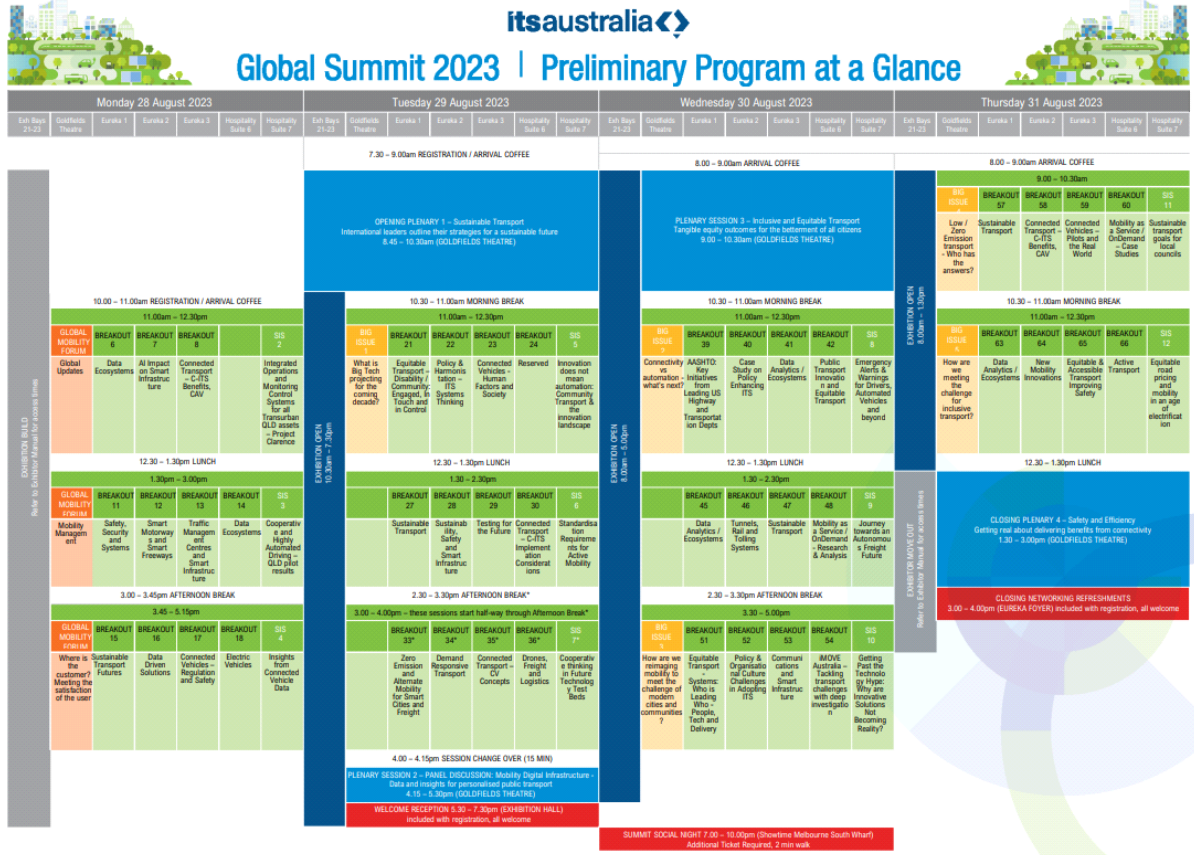
- 1 -

□ 참가 등록

구분	Standard (6/1 ~ 7/31 등록)	Late (8/1 이후 등록)
① 일반 참가		
일반	AUD 1,850(약 160만원)	AUD 2,140(약 186만원)
좌장/발표자	AUD 1,295(약 113만원)	AUD 1,498(약 130만원)
학생	AUD 925(약 80만원)	AUD 1,070(약 93만원)

- 4일 컨퍼런스 입장 가능
- 전체 컨퍼런스 세션 및 프로그램 참가 가능
- 전시장 입장 가능
- 매일 점심 케이터링 제공
- 소셜 프로그램(환영 리셉션, 8/29)
- 기술 시찰 및 시연 (일부는 별도의 등록 및 수수료 필요)
- 발표 슬라이드 (서밋 종료 후 ITS Australia에서 다운로드 가능)
- 써밋 소셜 나이트 티켓 구매 가능

② 기타	
환영 리셉션 (8/29 17:30)	AUD 165(약 15만원)
써밋 소셜 나잇* (8/30 19:00)	AUD 247(약 22만원)

* 일반 참가 등록자에 한해 신청 가능

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Global Summit 2023 | Preliminary Program at a Glance

Monday 28 August 2023	Tuesday 29 August 2023	Wednesday 30 August 2023	Thursday 31 August 2023

Tuesday: 7.30 – 9.00am REGISTRATION / ARRIVAL COFFEE

Wednesday: 8.00 – 9.00am ARRIVAL COFFEE

Thursday: 8.00 – 9.00am ARRIVAL COFFEE

OPENING PLENARY 1 – Sustainable Transport
International leaders outline their strategies for a sustainable future
8.45 – 10.30am (GOLDFIELDS THEATRE)

PLENARY SESSION 3 – Inclusive and Equitable Transport
Tangible equity outcomes for the betterment of all citizens
9.00 – 10.30am (GOLDFIELDS THEATRE)

Thursday 9.00 – 10.30am: BIG ISSUE – Low / Zero Emission transport – Who has the answers?; BREAKOUT 57 Sustainable Transport; BREAKOUT 58 Connected Transport – C-ITS Benefits, CAV; BREAKOUT 59 Connected Vehicles – Pilots and the Real World; BREAKOUT 60 Mobility as a Service / OnDemand – Case Studies; SIS 11 Sustainable transport goals for local councils

Monday: 10.00 – 11.00am REGISTRATION / ARRIVAL COFFEE

10.30 – 11.00am MORNING BREAK (Tuesday, Wednesday, Thursday)

Monday 11.00am – 12.30pm: GLOBAL MOBILITY FORUM – Global Updates; BREAKOUT 6 Data Ecosystems; BREAKOUT 7 AI Impact on Smart Infrastructure; BREAKOUT 8 Connected Transport – C-ITS Benefits, CAV; SIS 2 Integrated Operations and Monitoring Control Systems for all Transurban QLD assets – Project Clarence

Tuesday 11.00am – 12.30pm: BIG ISSUE – What is Big Tech projecting for the coming decade?; BREAKOUT 21 Equitable Transport – Disability / Community – Engaged, In Touch and in Control; BREAKOUT 22 Policy & Harmonis'tation – Systems Thinking; BREAKOUT 23 Connected Vehicles – Human Factors and Society; BREAKOUT 24 Reserved; SIS 5 Innovation does not mean automation: Community Transport & the innovation landscape

Wednesday 11.00am – 12.30pm: BIG ISSUE – Connectivity vs automation – what's next?; BREAKOUT 39 AASHTO: Key Initiatives from Leading US Highway and Transportation Depts; BREAKOUT 40 Data Analytics / Ecosystems; BREAKOUT 41 Public Policy Enhancing ITS; BREAKOUT 42 Public Transport Innovation and Equitable Transport; SIS 6 Emergency Alerts & Warnings for Drivers, Automated Vehicles and beyond

Thursday 11.00am – 12.30pm: BIG ISSUE – How are we meeting the challenge for inclusive transport?; BREAKOUT 63 Data Analytics / Ecosystems; BREAKOUT 64 New Mobility Innovations; BREAKOUT 65 Equitable & Accessible Transport Improving Safety; BREAKOUT 66 Active Transport; SIS 12 Equitable road pricing and mobility in an age of electrification

12.30 – 1.30pm LUNCH

Monday 1.30pm – 3.00pm: GLOBAL MOBILITY FORUM – Mobility Management; BREAKOUT 11 Safety, Security and Systems; BREAKOUT 12 Smart Motorways and Smart Freeways; BREAKOUT 13 Traffic Management Centres and Smart Infrastructure; BREAKOUT 14 Data Ecosystems; SIS 3 Cooperative and Highly Automated Driving – QLD pilot results

Tuesday 1.30 – 2.30pm: BREAKOUT 27 Sustainable Transport; BREAKOUT 28 Sustainability, Safety and Smart Infrastructure; BREAKOUT 29 Testing for the Future; BREAKOUT 30 Connected Transport – C-ITS Implementation and Considerations; SIS 4 Standardisation Requirements for Active Mobility

Wednesday 1.30 – 2.30pm: BREAKOUT 45 Data Analytics / Ecosystems; BREAKOUT 46 Tunnels, Rail and Tolling Systems; BREAKOUT 47 Sustainable Transport; BREAKOUT 48 Mobility as a Service / OnDemand – Research & Analysis; SIS 9 Journey towards an Autonomous Freight Future

Thursday 1.30 – 3.00pm: CLOSING PLENARY 4 – Safety and Efficiency. Getting real about delivering benefits from connectivity. (GOLDFIELDS THEATRE)

Afternoon break: Monday 3.00 – 3.45pm AFTERNOON BREAK; Tuesday 2.30 – 3.30pm AFTERNOON BREAK*; Wednesday 2.30 – 3.30pm AFTERNOON BREAK

Monday 3.45 – 5.15pm: GLOBAL MOBILITY FORUM – Where is the customer? Meeting the satisfaction of the user; BREAKOUT 15 Sustainable Transport Futures; BREAKOUT 16 Data Driven Solutions; BREAKOUT 17 Connected Vehicles – Regulation and Safety; BREAKOUT 18 Electric Vehicles; SIS 4 Insights from Connected Vehicle Data

Tuesday 3.00 – 4.00pm (these sessions start half-way through Afternoon Break*): BREAKOUT 33* Zero Emission and Alternate Mobility for Smart Cities and Freight; BREAKOUT 34* Demand Responsive Transport; BREAKOUT 35* Connected Transport – CV Concepts; BREAKOUT 36* Drones, Freight and Logistics; SIS 7* Cooperative thinking in Future Technology Test Beds

Wednesday 3.30 – 5.00pm: BIG ISSUE – How are we reimaging mobility to meet the challenge of modern cities and communities?; BREAKOUT 51 Equitable Transport – Systems: Who is Leading Who – People, Tech and Delivery; BREAKOUT 52 Policy & Organisational Culture Challenges in Adopting ITS; BREAKOUT 53 Communications and Smart Infrastructure; BREAKOUT 54 iMOVE Australia – Tackling transport challenges with deep investigation; SIS 10 Getting Past the Technology Hype: Why are Innovative Solutions Not Becoming Reality?

Tuesday 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

SUMMIT SOCIAL NIGHT 7.00 – 10.00pm (Showtime Melbourne South Wharf) Additional Ticket Required, 2 min walk

CLOSING NETWORKING REFRESHMENTS
3.00 – 4.00pm (EUREKA FOYER) included with registration, all welcome

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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)
	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	11.00am – 12.30pm BREAKOUT 7 AI Impact on Smart Infrastructure	11.00am – 12.30pm BREAKOUT 8 Connected Transport – C-ITS Benefits, CAV		11.00am – 12.30pm SIS 2 Integrated Operations and Monitoring Control Systems for all Transurban Queensland assets – Project Clarence
	MODERATOR Michelle Batsas, Director of Future Mobility, Victorian Department of Transport and Planning **PANELLISTS** Joost Vantomme, Vice-President of the MaaS Alliance; 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]	133. Intelligent Mobility Platform **Denise Pillay (Microsoft)**	108. Enhancing the Safety of Vulnerable Road Users at Intersections **Carl Andersen (Federal Highway Administration)**	73. Next Generation – Smart Level Crossing Technology: ARTC experience **Adrien van Zyl (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).
		152. Using Road Usage Charge Data to Create a Connected Vehicle Data Fusion Center **Michael Warren (WSP)**	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)**		
		189. Knowing our Passengers: Using Mobile GPS phone traces to Improve Tram Services **Nick Daly, Tianwei Yin (Yarra Trams)**	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)**		
		143. Unlocking the power of linked data at scale **Rhetta Chappell (Griffith University)**	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)**		
		206. SystemLink Data and Asset Management Platform **Dmitry Goncharov (Braemac)**	300. Smart Routine Real-Time Monitoring of Wire Rope Barriers **Karl Crittenden (Motel)**	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 (GOLDFIELDS FOYER – DOOR 16, ground floor)

Legend: ● 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

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) **MODERATOR** Mel Perkins A/Executive Director, Mobility as a Service Program Management Office, Office of the Director-General, Department of Transport and Main Roads QLD **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	**1.30 – 3.00pm** **BREAKOUT 11** Safety, Security and Systems 225. Safer Traffic Networks through Ai Claus Oustrup (Felicity Smart Infrastructure) 232. Orchestrated Connected Corridors: The Key to improved road safety and traffic management Steve Sproullske, Daniel Hoyne (Kapsch TrafficCom Australia) 174. Axle-based Vehicle Classification Using Tracking Radar Alastair Wiggins, Victor Deville (Sensys Gatso 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)	**1.30 – 3.00pm** **BREAKOUT 12** Smart Motorways and Smart Freeways MOD: Shanelle McDonald (GHD) 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) 199. Detecting Wrong-Way Driving on Motorways Using Smart Motorway Technologies Nigel Nielsen (WSP) 208. Managed motorways / Motorway global developments Lachlan Gray (WSP) 173. Ventia's Intelligent Transport Systems Smarter and Greener Upgrade of Melbourne's M80 Freeway Sarath Wijesinghe & James Bennett (Ventia) 231. Using Radar Technology for Safety, Efficiency and Environmental Benefits Across The Road Network Rebecca James (Navtech Radar)	**1.30 – 3.00pm** **BREAKOUT 13** Traffic Management Centres and Smart Infrastructure MOD: David Bolt (Kapsch TrafficCom Australia) 45. The importance of improved technology integration for enhanced decision making Kenneth Lewis (ARRB) 89. The Integrated Operations Management Control System at Australia's most advanced Motorway Control Centre Manuel Gonzalez Arrojo (SICE) 149. Traffic Management Switzerland – an Innovation Project for Swiss National Roads Fred Kalt (Yunex Traffic)	**1.30 – 3.00pm** **BREAKOUT 14** Data Ecosystems 154. Leveraging Untapped Live Traffic Data for Improved Road and Public Transport Operations Matt McInnes (Lynxx) 184. Situational Awareness for Network Intelligence Peter Ofiliong (Transmax) 209. Digital twins enabling Connected Networks and Vehicles David Mansfield, Jack Barlow (WSP) 141. Transport for NSW Centre-2-Centre (C2C) Interface evolution Karthik Narayanan (Transport for NSW) 219. Map Manager: Driving location and business intelligence Sheelan Vaez (Dept Transport & Planning VIC)	**1.30 – 3.00pm** **SIS 3** Cooperative and Highly Automated Driving – Queensland pilot results 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.
	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 (GOLDFIELDS FOYER – DOOR 16, ground floor)			
EXHIBITION OPEN	**3.45 – 5.00pm** **MOB 3** Where is the customer? Meeting satisfaction of the user (ENTER VIA DOOR 14, ground floor) **MODERATOR** Segolene Deeley Director Future Mobility and Corporate Affairs Keolis Downer **PANELLISTS** Catherine Rooney Executive Director, Strategy, Innovation and Data Insights, The Victorian Department of Transport and Planning Sue Wiblin Executive Director Emerging Technologies, Transport for NSW Stephanie Wiggins CEO, LA Metro Andrew Glass Hastings CEO, Open Data Foundation	**3.45 – 5.15pm** **BREAKOUT 15** Sustainable Transport Futures 148. GreenAVO: Tracking Australia's Progress Towards Transport Decarbonisation Jonathan Corcoran (University of Queensland) 236. Riding the Green Wave to Sustainable Mobility Gerald Mateo (Kapsch TrafficCom Australia) 249. Hydrogen for… whom? Mark Gjerek (MOV3MENT) 218. An Evaluation on Carbon Reduction Benefits of Mobility as a Service Ya-Wen Chen (National Taiwan University)	**3.45 – 5.15pm** **BREAKOUT 16** Data Driven Solutions 210. Exploring the spatiotemporal mobilities of freight truck on the expressway base on ETC gantry data Jingsong Ya, Jiandong Cao (China Academy of Transportation Sciences) 214. Comparison of time-series data imputations for real-time traffic application Dr Zay Maung Maung Aye (University of Melbourne) 220. Statistical method system construction of expressway traffic volume in China based big data Zandi Shang, Lei Zhou (China Academy of Transportation Sciences) 207. A systematic data-driven framework for evaluating changes on traffic corridors Alexander Paz, Frans Dekker (Queensland University of Technology) 181. Transdev Network Solutions Analytics Joseph Yurisich (Transdev)	**3.45 – 5.15pm** **BREAKOUT 17** Connected Vehicles – Regulation and Safety 46. Guidelines for the Evaluation and Reporting of Automated Vehicle Trials – An Overview David Green (ARRB / NTRO), Andrew Somers (Transoptim) 63. Safety assurance for Automated Driving Systems: Key findings from expert interviews Stuart Ballingall (The University of Melbourne) 91. Psychological ownership, and its impact on public acceptance of shared autonomous vehicles Linui Guo (Monash University) 117. Evaluation of the potential road safety benefits of semi- and fully-automated vehicles in Victoria Azhaginiyal Arularasu (Monash University Accident Research Centre) 196. Benefits and recommendations of C-ITS uses cases based on international learnings Elena Thode Minguet, Nigel Nielsen (WSP)	**3.45 – 5.15pm** **BREAKOUT 18** Electric Vehicles 37. How Electric On-Demand Transport helps New Zealand achieve its National Transport Sustainability Goals Iain MacDougall, Trystan Eeles (Liftango) 53. Impacts of Electric Vehicles on Transportation Systems Mgmt and Operations Kevin Miller (Southwest Research Institute) 159. Enhancing the Public EV Charging Customer Experience: A Global Perspective Edwin Lai (Jacobs) 188. Zero Emission Buses; securing sustainable funding for billion dollar transition plans; reimagining carbon valuation Ben Jensen (WSP)	**3.45 – 5.15pm** **SIS 4** Insights from Connected Vehicle Data 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.
	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

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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 10.30am – 7.30pm (Exh Bays 21-23)	**11.00am – 12.30pm** **BIG ISSUE 1** PANEL DISCUSSION: What is Big Tech projecting for the coming decade? **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 Babrik General Manager Partnering and Transport Technology, Transurban	**11.00am – 12.30pm** **BREAKOUT 21** Equitable Transport - Disability / Community: Engaged, In Touch and In Control 32. Accessibility and Technology: Solving the most difficult accessibility cases benefits all public transport users Erik van Vulpen (La Trobe University) 41. Implementing sustainable and equitable transportation at scale; lessons from Ring & Ride: UK's largest full-scale demand responsive transport service Ainsley Hughes (Liftango) 56. Equity of transport access in Sub-Saharan African Cities Gift Dumedah, Samuel Adu-Prah (Kwame Nkrumah University of Science and Technology) 97. A roadmap to transport equity: improving quality of life through MaaS technology Claus von Hessberg (Skedgo) 183. Accessible Transport Action Plan Joana Feiteira (Transdev)	**11.00am – 12.30pm** **BREAKOUT 22** Policy & Harmonisation – ITS Systems Thinking 31. Data as driver for a sustainable European mobility system Martin Boehm (AustriaTech) 61. ITS Architecture for an Open and Interoperable Intelligent Transport System Deployment Cory Ross (Main Roads Western Australia) 205. Tactical Adelaide Model – A common reference point Timothy Lim, Keyvan Pourhassan (Aimsun) 191. ITxPT connects EVs like never before David Panter (Trapeze)	**11.00am – 12.30pm** **BREAKOUT 23** Connected Vehicles – Human Factors & Society 65. Transforming Transport with IoT and Tiny ML: The Key to Automated, Efficient, and Safe Mobility Nayef Alduais (Universiti Tun Hussein Onn Malaysia) 98. Synchronisation between virtual and physical environments in an automated vehicle simulation Dmitry Lanchtchikov (Arcadis) 100. Using 5G to Enhance Automated Vehicle Operation Andrew Mehaffey (HMI Technologies) 101. Generation of training datasets for ML methods for autonomous vehicles from simulations Niki Georgiou (Institute of Communication and Computer Systems) 187. An adaptive framework for the social coordination of human and autonomous vehicles Faruk Ahmic (Monash University)	**11.00am – 12.30pm** **BREAKOUT 24** Reserved	**11.00am – 12.30pm** **SIS 5** Innovation does not mean automatism: Community Transport & the innovation landscape 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. Efficiency and innovation arise when organizations collaborate and leverage their control.
		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

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)
		1.30 – 2.30pm BREAKOUT 27 Sustainable Transport	**1.30 – 2.30pm BREAKOUT 28** Sustainability, Safety and Smart Infrastructure	**1.30 – 2.30pm BREAKOUT 29** Testing for the Futur	**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
		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	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. However, this creates challenges such as managing bike and car coexistence, roadwork impacts on bike lanes, and accessibility of bike infrastructure information.
		36. Solving Scope 3 emissions through transport partnerships – lessons for Australia from the rest of the world **Iain MacDougall (Liftango)**	104. Smart Delivery in a Pandemic **Marcus van der Velden (Arcadis)**		195. C-ITS Next Steps – options from a rapid Cost- Benefit Analysis of national deployment of C-ITS **Scott Benjamin (WSP)**	
						TISA conducted a gap and overlap analysis of standardization efforts, aiming to improve interoperability and collaboration among different activities. Speakers include Stephanie Chaufton on the need for active mobility standards, Fiona Campbell on content generation, the Victoria Department of Transport on their standardization plans, and Matthias Unbehaun on TPEG2-for-cycling technical approaches.
		49. Are we doing enough to inform Governments how transport needs to change to achieve climate targets **Tim Gammons (Arup)**	116. The Hidden Complexity of Smart Motorway Operations **Simon Gough (GHD)**	142. Modelling and assessment of Connected and Automated Vehicles in simulation environments **Mohammad Saifuzzaman (Aimsun)**	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	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 33 Zero Emission and Alternate Mobility for Smart Cities and Freight	**(starts half-way through Afternoon Break) 3.00 – 4.00pm* BREAKOUT 34** Reserved	**(starts half-way through Afternoon Break) 3.00 – 4.00pm* BREAKOUT 35** Connected Transport – CV Concepts	**(starts half-way through Afternoon Break) 3.00 – 4.00pm* BREAKOUT 36** Drones, Freight and Logistics	**(starts half-way through Afternoon Break) 3.00 – 4.00pm* SIS 7** Cooperative thinking in Future Technology Test Beds
		216. The path towards zero-emission mobility with electric bus rapid transit (eBRT) systems **Giannis Karaselanidis (Institute of Communication & Computer Systems)**		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, David Biston (GHD)**	203. A future technology testbed is a facility or network for testing and developing new mobility technologies. They aim to accelerate the adoption of sustainable and intelligent transportation solutions, improving efficiency, safety, and environmental performance.
		244. Zero emissions freight: the trucks are ready but what's holding up the fleets? **Mark Gjerek (MOV3MENT), Lauren Hewitt (QLD Transport & Logistics Council)**		110. Enhancing Safety in Roadworks using C-ITS: A Proof of Concept for Temporary Traffic Management in an Australian Context **David Alderson (WSP)**	222. Data-driven, Integrated, Syncromodal, Collaborative and Optimised urban freight meta model for a new generation of urban logistics **Paola Cossu (FIT Consulting)**	
		139. Sustainable Mobility for Smart Cities **Meng Lu (IEEE Intelligent Transportation Systems Society)**		120. C-ITS Central Facility – journey from pilot enabler to cross- jurisdictional platform **Simon Kowaltzke, Stuart Allen-Keeling (Dept Transport and Main Roads)**	241. Maritime ITS, a stepping stone towards multimodal mobility and logistics chains **Trond Hovland (ITS Norway)**	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.
		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
		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)				

Exh Bays 21-23 column side: EXHIBITION OPEN 10.30 am – 7.30 pm (Exh Bays 21, 22, 23)

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

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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)					
	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	**11.00am – 12.30pm BREAKOUT 41** Data Analytics / Ecosystems	**11.00am – 12.30pm BREAKOUT 42** Public Transport Innovation and Equitable Transport	**11.00am – 12.30pm SIS 8** Emergency Alerts & Warnings for Drivers, Automated Vehicles and beyond
	MODERATOR Allison Stewart, Deputy CEO, Infrastructure Victoria	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. While transportation challenges are common globally, the situations vary widely and leaders respond with creative solutions that are most appropriate for their specific conditions. Nevertheless, there are lessons and applications that can be adapted for other jurisdictions. 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.	70. Systematic testing and commissioning driving operational outcomes **Chris Venables (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.
	PANELLISTS Sandy Cameron CEO, Quantium Telstra		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)**	
	Dr Thorsten Burger Head of Public Affairs, Continental		140. Building Safer Roads – Regulations and Uniformities **Samira Narmin (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)**	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.
	Professor Maria Pia Fanti Department of Electrical and Information Engineering, Polytechnic University of Bari, Italy	Roger Millar Secretary, Washington State Department of Transportation & AASHTO President				
	Professor Majid Sarvi Director, Australian Integrated Multimodal EcoSystem (AIMES), The University of Melbourne	Craig Thompson Secretary, Wisconsin Department of Transportation & AASHTO Vice President Marc Williams Executive Director, Texas Department of Transportation	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)**	Accessibility guidelines for Low and Zero Emission Vehicle Charging Infrastructure	
	Meera Day Towler Space Robotics Program Manager, Intelligent Systems Division, Southwest Research Institute	Tracy Larkin Thomason Director, Nevada Department of Transportation Tilly Chang Executive Director, San Francisco County Transportation Authority	178. Exploring Autonomous Driving and Drunk Driving: Challenges, Solutions, and Future Directions **Hung-chang Chen (National Taiwan University)**	119. Leveraging tools and data to improve service delivery **William Taroni (Yunex Traffic)**	201. NaviLens: A New Tool for Accessible and Inclusive Public Transport **Wayne Speers, Damian Chappell (Yarra Trams)**	
	Professor Nobuyuki Ozaki Nagoya University Japan	Alyssa Rodriguez Director of Information Technology, City of Henderson, Nevada				
	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)					
		1.30 – 2.30pm BREAKOUT 45 Data Analytics / Ecosystems	**1.30 – 2.30pm BREAKOUT 46** Tunnels, Rail and Tolling Systems	**1.30 – 2.30pm BREAKOUT 47** Sustainable Transport	**1.30 – 2.30pm BREAKOUT 48** Mobility as a Service / OnDemand - Research & Analysis	**1.30 – 2.30pm SIS 9** Journey towards an Autonomous Freight Future
		230. National V2X Data Exchange for safer Australia **Alex Shraider (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.
		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)**	
			158. Technology Roadmap for Level Crossing Safety **Brittany Croft (WSP)**	137. Electrifying 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)					

Exh Bays 21-23 column side: EXHIBITION OPEN 8am – 5pm

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

DAY 3 – Wednesday 30 August Continued

28–31 August 2023 | Melbourne Convention & Exhibition Centre

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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)
EXHIBITION OPEN 8am – 5pm (Exh Bays 21-23)	3.30 – 5.00pm BIG ISSUE 3 PANEL DISCUSSION: How are we reimaging 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	3.30 – 5.00pm BREAKOUT 52 Policy & Organisational Culture Challenges in Adopting ITS	3.30 – 5.00pm BREAKOUT 53 Communications and Smart Infrastructure	3.30 – 5.00pm BREAKOUT 54 IMOVE Australia – Tackling Transport Challenges with Deep Investigation	3.30 – 5.00pm SIS 10 Getting Past the Technology Hype: Why are Innovative Solutions Not Becoming Reality?
	MODERATOR Being confirmed	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)	278. How doctoral students are helping companies and the transport sector with new knowledge and innovation	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. Connected and automated transport, as well as multi-modal solutions, have gained prominence, promising better road management and safer traffic flow.
	PANELLISTS Bonnie Crawford Vice President & General Manager, Cubic Transportation Systems	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)	Students undertaking a PhD are necessarily passionate about what they are doing, and able to offer deep investigation of a particular problem or challenge over a sustained period of time. Smart companies already know this and are taking advantage of the opportunities that it presents to them.	Increased automation addresses human error, which is responsible for a large portion of preventable accidents. Despite these advancements, the adoption of these technologies and transportation improvements has been disappointing. 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.
	Jerry Towler Assistant Director, Robotics, Southwest Research Institute	113. Is a More Human Future Really Possible When Tech and Culture are Moving in Opposite Directions? Drew Klonsky (Camp)	198. Leveraging Network Operations Planning for Community-Oriented Transport Outcomes Erin Jackson (GHD)	85. Traffic flow management of connected vehicles using the Multi Agent-Deep Deterministic Policy Gradient Hung Trinh (Pukyong National University)	We want to shine a bright light on some of the powerful research that is happening in IMOVE's PhD program. It is a rich source of talent, and we have assembled some of our top students to talk about their research and ambitions post PhD. We invite you to join us to see the diversity of their research and challenge their thinking.	
	Wolfgang Hoefs Adviser for Digitalisation and Mobility, NMS New Mobility Solutions Hamburg GmbH	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)		
	Olga Landolfi Secretary General, TTS Italia		105. Accelerating Australia's EV Transition Colum Crawford (Arcadis)	192. Complex ITS enabling Major Freeway Upgrade Neil Barker, Raed Dabit (Downer Transport)		
	Additional panellist being confirmed					
	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

28–31 August 2023 | Melbourne Convention & Exhibition Centre

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

붙임 2	주요 세션

□ 개·폐회식

ㅇ 개회식

  - 일　시 : 미정

  - 장　소 : 미정

  - 좌장/발표자 : 미정

  - 주요내용 : 미정

ㅇ 폐회식

  - 일　시 : 2023년 8월 31일(水), 14:40～15:00

  - 장　소 : Goldfields Theatre (Ground Floor)

  - 좌장/발표자 : Susan Harris (ITS 호주 CEO)

  - 주요내용 : 2023년 쑤저우 ITS 세계총회, 2024년 두바이 ITS 세계총회, ITS 호주 활동 업데이트, 폐회식

□ 전체회의(Plenary Program)

ㅇ PL 1 : SUSTAINABLE TRANSPORT - International leaders outline their strategies for a sustainable future
  (지속 가능 교통 - 국제 리더들의 지속 가능한 미래를 위한 전략)

  - 일　시 : 2023년 8월 29일(화), 08:45～10:45

  - 장　소 : Goldfields Theatre (G층)

  - 좌장/발표자 : Dean Zabrieszach (HMI Technologies/Ohmio Automotion CEO)

  - 주요내용 : 교통은 전 세계적으로 온실가스 배출의 30% 이상을 야기하는 주요 원인으로 배출량 감소 목표를 달성하기 위해서는

다양한 문제에 대처해야 함. 대중교통, 자동차 산업 및 기술 공급업체에서 현재 솔루션을 제공하고 미래를 위한 큰 변화를 준비하고 있는 세계 각국의 리더들로부터의 의견 청취

○ **PL 2 : MOBILITY DIGITAL INFRASTRUCTURE - Data and insight for personalised public transport**
(모빌리티 디지털 인프라 - 맞춤형 대중교통을 위한 데이터와 통찰력)

- 일   시 : 2023년 8월 29일(화), 16:15～17:30

- 장   소 : Goldfields Theatre (G층)

- 좌장/발표자 : Michelle Batsas (빅토리아주 교통계획부, 미래모빌리티 디렉터)

- 요   약 : 고객 경험 개선과 원활하고 포용적인 교통을 구현하는 것은 지속 가능한 교통 네트워크를 보장하기 위해 중요함. 이를 위한 핵심은 데이터로 교통 데이터를 협력하고 조화롭게 하고 견고하고 안전한 시스템을 구축하는 방법에 대한 논의

○ **PL 3 : INCLUSIVE AND EQUITABLE TRANSPORT - Tangible equity outcomes for the betterment of all citizens**
(포괄적이고 평등한 교통 - 모든 시민의 발전을 위한 실질적인 형평성 결과)

- 일   시 : 2023년 8월 30일(수), 09:00～10:30

- 장   소 : Goldfields Theatre (G층)

- 좌장/발표자 : 미정

- 주요내용 : 안전과 지속 가능성은 수십 년간 교통의 중요한 기둥으로 중요성에도 불구하고 우리는 교통 네트워크가 포용적이고 접근 가능하도록 보장해야 함. 기술은 이를 가능하게 할 수 있는 역할로 커뮤니티와 협력하고 그들의 필요에 맞추는 방법에 대해 논의

○ **PL 4 : SAFETY AND EFFICIENCY - Getting real about delivering benefits from connectivity**

(안전성과 효율성 – 연결을 통한 이점 실현)

- 일   시 : 2023년 8월 31일(목), 13:30~15:00

- 장   소 : Goldfields Theatre (G층)

- 좌장/발표자 : Brian Negus (ITS호주 엠베서더)

- 주요내용 : 2022년 호주에서 1,000명 이상의 도로 교통사고로 인한 사망자가 발생(2021년 대비 5.8% 증가)했으며 전 세계적으로 수백만 명의 사망자가 발생. 또한, 교통 부문에서 발생하는 온실가스 배출의 30% 이상을 차지. 따라서 안전성과 효율성을 개선하는 것이 핵심 업무로 이에 대한 대응에 대한 논의

□ Big Issues Program

○ BI 1 : What is Big Tech projecting for the coming decade?
(향후 10년 동안 계획된 기술은 무엇인가?)

- 일   시 : 2023년 8월 29일(화), 11:00~12:30

- 장   소 : Goldfields Theatre (G층)

- 좌장/발표자 : Bonnie Crawford (Cubic Transportation Systems 부사장)

- 주요내용 : 산업은 안전하고 효율적이며 지속가능하고 포용적인 교통 솔루션을 지원하는 기술을 제공하는 데 선도적인 역할을 하고 있음. 국제 기술 기업들의 업무와 역할에 대해 발표

○ BI 2 : Connectivity vs Automation - What's next?
(연결성 VS 자동화 - 무엇이 다음인가?)

- 일   시 : 2023년 8월 30일(수), 11:00~12:30

- 장   소 : Goldfields Theatre (G층)

- 좌장/발표자 : Allison Stewart (Infrastructure Victoria 부사장)

- 주요내용 : 전체 자동화가 목표였을지라도, 연결성은 지금 바로 안전성과 효율성을 크게 향상할 수 있음. 차량과 인프라를 연결하여 현실적인 혜택을 현재와 미래에 제공하기 위한 도전에 대응

○ BI 3 : How are we reimaging mobility to meet the challenge of modern cities and communities?
(현대 도시와 커뮤니티의 도전에 부응하기 위해 모빌리티를 어떻게 재구상하고 있는가?)

- 일 시 : 2023년 8월 30일(수), 15:30~17:00

- 장 소 : Goldfields Theatre (G층)

- 좌장/발표자 : 미정

- 주요내용 : 공간 조성과 도보 친화적인 지역 사회는 공유 공간과 활기찬 도시와 지역을 의미함 – 사람, 화물의 이동방식은 우리가 계획하고 성장하는 방식에 영향을 미침. 따라서, 정책, 기술 등을 통해 우리는 이러한 도전에 어떻게 대응하는 지 논의

○ BI 4 : Low/Zero Emission transport – Who has the answers?
(저/제로 배출 교통 - 누가 답을 갖고 있는가?)

- 일 시 : 2023년 8월 31일(목), 09:00~10:30

- 장 소 : Goldfields Theatre (G층)

- 좌장/발표자 : Mandi Mees (국가교통위원회 국가철도 기술개혁 책임자)

- 주요내용 : 지속 가능한 교통 미래의 도구 중 하나는 화물차, 버스, 가정용 자동차까지 저/제로 배출 차량으로 전환하는 것. 이는 에너지 그리드에 영향을 미치는 복잡한 도전이며, 순환형 저배출 공급망, 충전 인프라 등이 필요함에 따라 관련 주제 논의

○ **BI 5 : How are we meeting the challenge for inclusive transport?**
(우리는 포용적인 교통에 대한 도전에 어떻게 대응하고 있는가?)

- 일   시 : 2023년 8월 31일(목), 11:00~12:30

- 장   소 : Goldfields Theatre (G층)

- 좌장/발표자 : Claire Thurston (NSW SCATS, 생산 전략 디렉터)

- 주요내용 : 전체 세션에 대한 섹터의 주요 기둥에 대한 주제를 다룸. 포용적이고 접근 가능한 교통 서비스를 설계하고 제공하는 중요성과 도전 그리고 안전에 대해 다룸. 어떻게 커뮤니티, 고객과 협력하여 모든 사람을 위한 교통을 설계하고 제공하는지에 대해 논의