

itsaustralia

Mobility 2024

16–17 May 2024

Crown Conference Centre

its-australia.com.au

#futuretransport



Preliminary Program

Thursday 16 May 2024

8:00 – 9:00 **REGISTRATION & ARRIVAL BARISTA COFFEE / TEA**
Name Badge Collection

Welcome to Country Ceremony

ITS Australia acknowledges the Wurundjeri Woi-Wurrung and Bunurong / Boon Wurrung peoples of the Kulin nation (the land now known as Melbourne City).

9:00 – 10:30 **OPENING PLENARY SESSION 1 – A Mobility Revolution: The Power**
of Data to Connect People and Places

Conference Room A

Session Moderator

Michelle Batsas Executive Director Future Mobility, Victoria Government Department of Transport and Planning

Steph Bradley Director, Deloitte

William Ho Senior Manager, Project Delivery Systems & Tools, Intelligent Transport Systems, Victoria Government Department of Transport and Planning

Revolutionising optimal decision making in mobility

Together with Department of Transport & Planning in Victoria (DTP) as part of the Smarter Roads programme, Deloitte's Optimal Reality creates an advanced digital replica of DTP's physical networks and systems in real-time to enable proactive data-driven decision making to reduce congestion.

Brendan Langfield Team Leader - Simulation and Decision Science, GHD, co-presenting with

Erin Jackson Mobility Leader, Australian Transportation Market, GHD

Building the dream (and acting on it) - how Analytics can shape our future, not just understand the current-state.

Suppressed demand in modal choice means current state data does not reflect future possibilities. By removing our reliance on historical observations of active and sustainable transport, and instead focusing on generating that vision, a new conduit between high level strategy and investment in the streets can be achieved.

Ben Rippingale ANZ Business Lead, Vivacity Labs

AI and road safety for vulnerable road users - turning data into decisions.

Using examples from Australian, New Zealand, UK and US authorities, this presentation will demonstrate how Computer Vision technology can detect, record, and analyse dangerous interactions; delivering accurate, objective insights to inform public consultation, decision making, and design - as well as validating investment decisions by demonstrating the impact of interventions.

Q&A + Discussion with Speakers

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10:30 – 11:00 MORNING TEA BREAK	
11:00 – 12:30 BREAK-OUT SESSION 2	
2A – Inclusive and Sustainable Transport Solutions: Paving a Way Forward Conference Room A	2B – The Future is Now: Cutting Edge Technological Innovations Conference Room B
<p>Session Moderator Samira Namin Technical Director, GHD</p> <p>The Future We Choose Ben Haddock Future Mobility Lead, Arup In his talk, Ben will address the urgent need for decarbonisation in the transport industry. He will present a series of critical questions that can guide any transport project towards net zero. Using real project examples, he will demonstrate how these questions have accelerated the industry's transition to net zero.</p> <p>Zero Emission Transport Mark Peters Executive General Manager E-Mobility & Fleet Innovation, Transit Systems This presentation aims to inspire dialogue on zero-emission transport's pivotal role in shaping the future of urban mobility. By sharing successes, challenges, and learnings, we hope to foster collaboration for a more sustainable transportation ecosystem—encouraging a shift away from conventional cars.</p> <p>Prioritising Accessibility Upgrades using Functional Tolerances for DSAPT and Locational Data David Simmonds Director Transport Accessibility and Inclusion, Victoria Government Department of Transport and Planning Daniel Harrison Manager Reform, Transport Network Policy and Reform, Victoria Government Department of Transport and Planning It is critical to roll out accessibility upgrades on infrastructure so that upgrades provide the greatest benefit to people with a disability. DTP has developed a prioritisation tool that uses accessibility audit data on public transport stops to generate impact ratings that estimate the impact of the non-compliance.</p> <p>Public Transport Operators cannot succeed alone. Clement Hamart Project Manager, Transdev Australia and New Zealand The transformation of the transport industry into a technology-driven sector is characterised by a fast-paced environment churning out specialised products. This rapid evolution offers opportunities but poses a challenge for PTO, highlighting their pivotal role as conduits and collaborators in safely adopting new, innovative practices.</p> <p>Q&A + Discussion with Speakers</p>	<p>Deep dive into ODIN PASS, Australia's largest Mobility as a Service Trial. Implications for creating seamless journeys. Anjuna Singh General Manager, Passenger Transport Strategy and Technology. Translink Division, Queensland Department of Transport and Main Roads ODIN PASS, Australia's largest Mobility as a Service trial offers subscription-based multi-modal travel South-East Queensland. With over 1M public transport trips, we explore customer motivations, barriers to MaaS adoption, app appeal, and app improvement for ODIN PASS trial, focusing on reducing congestion, improving safety, and lowering emissions.</p> <p>Seamless Journeys through a Bus Rapid Transit system Gerrald Mateo Area Sales Manager – Oceania, Kapsch TrafficCom Australia Pty Ltd In a project that promises to reshape daily commutes and enhance emergency healthcare access, Kapsch has successfully installed the mobility and safety elements for the first traffic light priority system for buses in Madrid. We will explore how these ITS components can be used to enable seamless journeys in cities around Australia.</p> <p>Revolutionising Transit: Cubic's AI-Powered Digital Assistant Unleashes the Future of Customer Service Inger Gartner Senior Business Development Manager, Cubic Transportation Systems Cubic's AI chatbot, introduced in NYC in 2023, revolutionises transit customer service. Linked to MTA's backend, it provides 24/7 support for balance inquiries, fare linking, and troubleshooting, significantly enhancing efficiency and satisfaction. It enables reduced-fare rides with open payments, benefiting diverse customer groups.</p> <p>Prototype testing for a Universal Design Autonomous Vehicle Rafael Gomez Associate Professor, Queensland University of Technology TMR partnered with QUT to develop principles for an accessible AV for the Australian market. This presentation will share the work undertaken across all three phases, discuss the approach for developing a 1:1 scale prototype, and explore the future recommendations emerging from the research surrounding design for future AV manufacturing.</p> <p>Q&A + Discussion with Speakers</p>
12:30 – 1:30 LUNCH BREAK	

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1:30 – 3:00

BREAK-OUT SESSION 3

3A – Global Insights: Mobility Solutions from Around the World
Conference Room A

Kapsch TrafficCom Manages Mobility in Spanish City

Daniel Hoyne Head of Solution Consulting, Kapsch TrafficCom
Kapsch is pleased to share the work it is doing in Vitoria - Gasteiz. Since early 2023, the Kapsch TrafficCom has been tasked with the management of the city's traffic information and control systems of Vitoria-Gasteiz, a city in the heart of the Basque Country.

International Transport Advancements

Tim Harding APAC Regional Manager, Via
Embark on a global journey with us to address Australia's transport challenges. Discover global examples of boosting patronage, cutting emissions, creating integrated networks, and blending public-private transport solutions. Uncover international solutions that resonate locally.

Case Study: Achieving Operational Excellence and Improved Driver Experience With Optibus Software

Russ Yell Regional Director, ANZ, Optibus
Transportes Sul do Tejo (TST), serving 2.3 million passengers monthly, achieves operational excellence with Optibus. The platform reduced planning time and PVR, and improved efficiency and employee experience. TST is now a more customer-focused, agile, and resilient business that enhances the experience of its most valuable resource - drivers.

Navigating Mobility as a Service (MaaS): Global Case Studies & Lessons Learnt

Silas Wong APAC Business Manager, Siemens Mobility
In the diversifying mobility landscape, seamless collaboration between transport modes is becoming increasingly pertinent for an efficient, integrated transport ecosystem. Mobility-as-a-Service takes centre stage, seamlessly integrating all transport services into a single accessible mobile app. Siemens showcases its international case studies and provides actionable insights for Australia's unique mobility landscape.

What you don't know about your footpaths: insights from 1 million metres of mapping the urban pedestrian network.

Eckhard Kemmerer Founder, Briometrix
It took 5 years, interrupted by Covid, to map the 1st million metres of the urban pedestrian network, and less than 1 year to map the 2nd million metres. Then we grew to 20 cities.

Q&A + Discussion with Speakers

3B – User Focussed Mobility: On Demand & Active Transport
Conference Room B

The Future of Micro-leasing Fleets and Connected Transport

Zeryab Cheema Chief Executive Officer, HOP Technologies
From passenger transport to logistics, the multi-use of existing assets have grown in both the private and public transport markets globally. HOP has carried out successful implementation of under-utilised rental cars for the ride-share and logistic markets, reducing the need for drivers to own vehicles.

Introducing Pīkau: Iwi-owned, community-designed On Demand Transport addressing social equity in Northland, NZ

Ainsley Hughes New Mobilities Specialist, Liftango Pty Ltd
Liftango has partnered with Ngātiwai Iwi to launch a new community-led, On Demand service in rural Northland, New Zealand. The pilot, co-designed with community members, demonstrates how On Demand technology can be leveraged to provide under-served Maori communities with greater access to safe and reliable modes of transport.

Creating the Safest Intersection in the World

Jason Deller Senior Transport & Customer Success Engineer, Advanced Mobility Analytics Group
Aiming to create the safest intersection globally, using advanced technology to dynamically improve pedestrian safety and promote sustainable urban mobility.

Mapping the food delivery rider journey to improve road safety.

Tyrell Siew PhD candidate, Monash University
This multidisciplinary research on the Australian gig economy, particularly food delivery riders, unveils how platform operators influence risky behaviours due to neoliberal characteristics and digital-Taylorism. Information asymmetries compromise gig workers' safety, necessitating a Safe System approach to prioritize rider protection and enhancing vehicle safety with safe vehicle design.

Q&A + Discussion with Speakers

3:00 – 3:45

AFTERNOON TEA BREAK

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3:45 – 5:00

SESSION 4: PANEL DISCUSSION – Decoding the Transportation Landscape: Insights from Big Data

Conference Room A

Moderated Panel Discussion

Panel Moderator

Stacey Ryan Policy Manager, ITS Australia

Panellist selection being finalised

6:30 – 8:30

**WELCOME RECEPTION – Cocktail Function
Tonic Bar, Crown Promenade Hotel (Ground Floor)**

Join fellow delegates at Tonic Bar, where a modern, relaxed ambience provides the perfect setting for networking with colleagues and friends.

Conveniently located on the ground floor of Crown Promenade Hotel, Tonic bar is just a short distance from the Conference Centre.

Speaking at the Welcome Reception

Jason Owusu Chief Data & Digital, Victoria Government
Department of Transport and Planning

Jessica Tong Solution Consultant, Kapsch TrafficCom
Australia



Included with your conference registration – drinks and canapes served

Dress: Business casual

Friday 17 May 2024

8:30 – 9:00 ARRIVAL BARISTA COFFEE & TEA	
9:00 – 10:30 BREAK-OUT SESSION 5	
<p>5A – Beyond the City: Navigating Rural and Regional Transport Challenges Conference Room A</p> <p>Regional and Outer Urban Transport Mobility 2024 Ivan Kladnig CEO, Spiketech How can regional services deliver the same Quality of Service as expected in urban areas and should they?</p> <p>Key Freight Route Mapping David Green Principal Professional, NTRO The National Key Freight Routes (KFR) map outlines the KFRs used by land-based freight in Australia. The NTRO undertook a review of the current use of the KFR map, and provided recommendations on how the map can be optimised to communicate with its key stakeholders more effectively.</p> <p>Inclusive Transport inclusion at Bruce Highway Upgrade— Maroochydore Road and Mons Road Interchanges Samira Namin Technical Director, GHD Seamless data transmission to the TMC, bike riding and pedestrian facilities, Sustainable and active transport infrastructure</p> <p>Presentation details to be announced. Luisiana Pagnelli Ballarat City Council</p> <p>Presentation details to be announced. Murray Coates Community Transport Victoria Marnie O’Loughlin Victorian Mapping Project – Project Lead, Community Transport Victoria</p> <p>Q&A + Discussion with Speakers</p>	<p>5B – Innovative Pilots and Trials – Shaping Tomorrow’s Transport Conference Room B</p> <p>Session Moderator Inger Gartner Senior Business Development Manager, Cubic Transportation Systems</p> <p>Just Try It... Justin Pounder General Manager APAC Region, Flowbird Australia Pty Ltd Peter Walter Business Development Director, Flowbird Australia Pty Ltd Just try it...whether it’s Mobility-as-a-Service or open loop transit payments, this is the message we want to share with public transport agencies and operators of all sizes, everywhere. These technologies can be tested at an ‘entry level’ to build knowledge and confidence towards a larger scale roll-out.</p> <p>Delivering the Goods: Future mobility shaping the convergence of freight and place Trent Williams Future Mobility Leader, Stantec The movement of goods has traditionally been an afterthought in the planning and design of our urban areas. This can no longer be the BAU approach, with road freight demands growing rapidly. Fortunately, there are future mobility technologies and trends shaping the future of urban freight for the better.</p> <p>Mobility Pilots, Trials, Early Deployments - Western Distributor Smart Motorway Rayan Souza ITS Engineer, Ventia Think differently how we can complete the same objective in different and safer ways.</p> <p>C-ITS Harmonisation Michelle Batsas Director Future Mobility, Victoria Government Department of Transport and Planning</p> <p>Q&A + Discussion with Speakers</p>
10:30 – 11:00 MORNING TEA BREAK	

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11:00 – 12:30 BREAK-OUT SESSION 6

6A – Charting a Greener Path: Sustainable Transport Strategies
Conference Room A

A Hub is a place that connects and intertwines mobility, energy and social networks.

Elke Kroft CEO, Advier Australia

Minze Walvius CEO, Advier Europe

Advier has been at the development of hub-networks in Northwestern Europe. These hubs, which are physical nodes of social, energy, shared mobility and public transport networks contribute to more space for living and climate. Currently, Advier is exploring innovative governance and financial models and the use and ownership of data.

Fast, frequent, fair: how buses can better connect Melbourne.

Neil France Senior Infrastructure Advisor, Infrastructure Victoria

Melbourne needs a faster, fairer and better-connected bus network, especially in under-served growth areas. Infrastructure Victoria's latest research into bus reform for Melbourne makes 10 recommendations to the Victorian Government to prioritise actions and investment in buses within the next 5 years.

From Smog to Smarts: How Wellington's Bus Data Fuels Cleaner Air & Smarter Decisions

Andrew Myers Manager Customer Insights and Assets, Metlink - Greater Wellington Regional Council

Metlink worked with Australian tech company netBI to develop an Emissions Reporting Tool. The tool can automatically produce reports across 100 different measures covering numerous pollutant types and parameters to deliver continuous granular data to a diverse stakeholder group, enhancing organisational value and local mobility outcomes.

Australia's First Deployment of the Trackless Tram – First-Hand Insights into New Net Zero, Road-Based, Mass Transit

Dean Economou Principle, Mobility Futures

Gain first-hand insights from the deployment and testing of Australia's first trackless tram, a pioneering Net Zero, road-based mass transit system that uses digital guidance to offer rail-like levels of service with much lower infrastructure and enables new kinds of finance and urban development.

Q&A + Discussion with Speakers

6B – Seamless Journeys: The Intersection of Payments and Transport
Conference Room B

Empathy in Motion: Crafting Ticketing Solutions for Public Transport that Strengthens Mobility

Katie Schie Associate Director, Symplicit

Symplicit is supporting NSW and VIC governments to leverage Human-Centred Design and strengthen passenger mobility and accessibility in next-gen ticketing solutions. Explore how design tools have been used to influence equitable and inclusive strategic decisions in transport planning.

Transportation Payments: Advancing Ridership Experiences through Frictionless Mobility and AI-Powered Journey Reconstruction

Tim Mercer-Cook Senior Engineering Fellow, Cubic Transportation Systems

This presentation explores the potential advantages of minimising friction within the public transportation payment system to enhance ridership experiences and promote modal shift. The discussion covers various Automatic Fare Collection (AFC) methods, discussing challenges faced by GPS-based travel systems.

The Road to MaaS in Public Transport

Neil George Managing Director, Thales Ground Transportation Systems India

MaaS in public transport seemingly holds great promise for improving the overall mobility experience, enhancing efficiency, and promoting sustainable urban development. What does this road map look like and how would we implement this down under? A presentation that draws a visionary picture, based on best practices from all around the globe.

Creating Value Through Ticketing and Fare Payment Solutions to Enhance Passenger Experience

Kylie Gorham Senior Product Manager, NEC

Exploring the challenges of implementing new fare payment solutions in public transit, from financial and operational considerations to meeting diverse passenger needs. Discover strategies for integrating these solutions within a comprehensive portfolio of transit services to enhance rider satisfaction in the Australian context.

Q&A + Discussion with Speakers

12:30 – 1:30 LUNCH BREAK

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1:30 – 2:30

PLENARY SESSION 7 – Panel Discussion: From MaaS to AI: The Evolution of Mobility

Conference Room A

Moderated Panel Discussion

Moderator

Stacey Ryan Policy Manager, ITS Australia

Panellists

John Nelson Chair in Public Transport, Institute of Transport and Logistics Studies (ITLS) – University of Sydney

Additional Panellists being finalised.

2:30 – 3:00

CLOSING PLENARY SESSION 8

Conference Room A

Further details to be announced soon

Update on ITS Australia Summit 2024 Sydney (13-15 Aug 2024)

ITS Australia Activities, Conference Close and Thank You

Susan Harris Chief Executive Officer, ITS Australia

Closing Keynote Presentation

Jonathan Spear Chief Executive Officer, Infrastructure Victoria

About ITS Australia

ITS Australia is the peak body for advanced transport technology, supporting the delivery of safer, more efficient, sustainable transport solutions. We are a Not for Profit association and serve the interests of our members in Australia and globally. We represent the Australian ITS sector within Australia and Australian ITS interests on the world stage. We concentrate on land-based transport activities and interfaces to air and sea modes, and related entities.

We represent 150+ member organisations nationally and globally.



3:00 – 3:30

CLOSING NETWORKING REFRESHMENTS



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