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Mobility 2024
—
16–17 May 2024
Crown Conference Centre

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#futuretransport

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

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**
Session Moderator Samira Namin **Technical Director, GHD**	**Session Moderator** Catherine Rooney

2A – Inclusive and Sustainable Transport Solutions: Paving a Way Forward

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.

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.

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.

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.

Q&A + Discussion with Speakers

2B – The Future is Now: Cutting Edge Technological Innovations

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.

Revolutionising Urban Transportation: Transforming City Commutes with Data
Inger Gartner Senior Business Development Manager, Cubic Transportation Systems
We will discuss how cutting-edge data and AI are being used to optimise travel on motorways and pave the way for a more efficient and sustainable transportation network.

Protype 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.

Q&A + Discussion with Speakers

12:30 – 1:30	LUNCH BREAK

ITS Australia Mobility 2024

1:30 – 3:00 BREAK-OUT SESSION 3

3A – Global Insights: Mobility Solutions from Around the World Conference Room A	3B – User Focussed Mobility: On Demand & Active Transport Conference Room B
Session Moderator Bronwyn Carnes **Senior Innovation Specialist, Victoria Government Department of Transport and Planning**	**Session Moderator** Simon McLevie **Board Advisor / Head of Business Development Strategy, Osmodal**

3A Content:

Global Insights: A Local Perspective
Devina Hassanaly Program Director Ticketing, ANZ, Victoria Department of Transport and Planning

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.

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.

Q&A + Discussion with Speakers

3B Content:

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

3:45 – 5:00	SESSION 4: PANEL DISCUSSION – Decoding the Transportation Landscape: Insights from Big Data	Conference Room A

Moderated Panel Discussion

The first of our two plenary panel sessions at Mobility 2024 focuses on the critical role of data in the mobility landscape. Understanding this role, which will underpin new and #futuremobility solutions, is critical to practitioners across the transport sector.

Our expert panel will share insights into their organisation's experience in leveraging data and the challenges and opportunities for the broader sector. Our panel includes:

Panel Moderator
Russ Yell Regional Director ANZ, Optibus

Panellists
Brendan Langfield Team Leader - Simulation and Decision Science, GHD
David Nguyen Director Data Engineering and Modelling, Victoria Department of Transport and Planning
Minze Walvius CEO, Advier Europe
Kylie Gorham Senior Product Manager, NEC
Sean Mclowry Partner | Optimal Reality Offering Lead, Deloitte

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

ITS Australia Mobility 2024

Friday 17 May 2024

8:30 – 9:00	ARRIVAL BARISTA COFFEE & TEA

9:00 – 10:30	BREAK-OUT SESSION 5

5A – Beyond the City: Navigating Rural and Regional Transport Challenges Conference Room A	5B – Innovative Pilots and Trials – Shaping Tomorrow's Transport Conference Room B
Session Moderator John Nelson **Chair in Public Transport, Institute of Transport and Logistics Studies (ITLS), University of Sydney** **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? **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. **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 **Beyond the city: Ballarat Perspective** Dr. Luisiana Paganelli Principal Transport Planner, Ballarat City Council **Victorian Mapping Project – How Community Transport builds capacity in communities when mainstream options are no longer viable** Marnie O'Loughlin Victorian Mapping Project – Project Lead, Community Transport Victoria Research indicates the benefits that Community Transport provides psychologically and health & physical reablement through access to shopping, social inclusion, health & medical appointments, employment, education, and other activities. What happens in communities when people become transport vulnerable? Transport vulnerability is complex. The presentation will address the current research underway mapping services and gaps in service, identifying collaboration opportunities and showcasing innovation along the way **Q&A + Discussion with Speakers**	**Session Moderator** Inger Gartner **Senior Business Development Manager, Cubic Transportation Systems** **Just Try It...** Justin Pounder General Manager APAC Region, Flowbird Australia Peter Walter Business Development Director, Flowbird Australia 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. **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. **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. **C-ITS National Harmonisation Project – On the Road to Development** Michelle Batsas Executive Director Future Mobility, Victoria Government Department of Transport and Planning Nicholas Brook Program Director (iMOVE 1-083: C-ITS National Harmonisation project), Victoria Government Department of Transport and Planning **Q&A + Discussion with Speakers**

10:30 – 11:00	MORNING TEA BREAK

ITS Australia Mobility 2024

11:00 – 12:30 BREAK-OUT SESSION 6

6A – Charting a Greener Path: Sustainable Transport Strategies Conference Room A	6B – Seamless Journeys: The Intersection of Payments and Transport Conference Room B
Session Moderator David Bolt **Director Sales and Solutions APAC, SKIDATA**	**Session Moderator** Lewis Clark**, Executive Director, Customer Systems and Operations, Customer Strategy and Technology, Transport for NSW**
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.	**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.
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-serviced 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.	**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.
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.	**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.
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.	**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	**Q&A + Discussion with Speakers**

12:30 – 1:30 LUNCH BREAK

| 1:30 – 2:30 | PLENARY SESSION 7 – Panel Discussion: From MaaS to AI: The Evolution of Mobility | Conference Room A |

Moderated Panel Discussion

Closing out the Mobility 2024 Conference, this plenary panel brings together local government, academia, transport providers and consultants to reflect on where Mobility as a Service (Maas) began, what it means today and where technology might take us into the future.
Did MaaS hit the Trough of Disillusionment or is there more to it? What can machine learning and artificial intelligence do for transport to help build inclusive and sustainable transport for our communities.

Moderator
Stacey Ryan Policy Manager, ITS Australia

Panellists
John Nelson Chair in Public Transport, Institute of Transport and Logistics Studies (ITLS) – University of Sydney
Samira Namin Technical Director, GHD
Ben Haddock Future Mobility Lead, Arup
Ben Whitehorn CEO, Randwick Waverly Community Transport
Luisiana Paganelli Principal Transport Planner, Ballarat City Council

| 2:30 – 3:00 | CLOSING PLENARY SESSION 8 | Conference Room A |

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
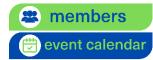
Closing Keynote Presentation
Jonathan Spear Chief Executive Officer, Infrastructure Victoria
Challenges and opportunities in mobility

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.

members
event calendar

| 3:00 – 3:30 | CLOSING NETWORKING REFRESHMENTS |

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