

27-28 April 2022

Crown Promenade, Melbourne

NeTC has evolved... digital customer interfaces, road pricing, charging, and future infrastructure



FINAL PROGRAM

27-28 April 2022 | Crown Promenade Melbourne VIC Australia

www.its-australia.com.au

Wednesday 27 April 2022

7:30 – 8:45

REGISTRATION & ALL DAY BARISTA COFFEE

Sponsored by Kapsch TrafficCom Australia

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8:45 – 9:35

OPENING PLENARY SESSION 1 – Infrastructure & Technology

Promenade Rm

MODERATOR **Phillip Walsh** Senior ITS Business Development Director APAC, Cubic Transportation Systems

Major Transport Infrastructure – North East Link Program update

Duncan Elliott Chief Executive, North East Link Project, Victoria

Transforming Transport Systems to meet 21st Century Challenges

Dr Jonathan Spear Chief Executive, Infrastructure Victoria

Q&A + Discussion with Speakers

9:35 – 10:30

PLENARY SESSION 2 – Major Project Updates

Promenade Rm

MODERATOR **Niloo Karimi** Director, Signal Services, Department of Transport Victoria

National Telematics Framework - Recent Developments and Emerging Opportunities

Stuart Ballingall Executive General Manager, Transport Certification Australia

WestConnex Project Update 2022

Monique Williams Head of Transport Technology, WestConnex

State Tolling Corporation – North East Link: Toll Collection Capability Update

An Nguyen Acting Managing Director STC, Executive Director and Head of Partnerships Victoria

Zoltan Maklary Interim Director Tolling, State Tolling Corporation

Q&A + Discussion with Speakers

10:30 – 11:00

MORNING TEA BREAK



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11:00 – 12:30 CONCURRENT SESSION 3

3A – Project Snap Shots

Promenade Room

MODERATOR **Stacey Ryan** Policy Manager, ITS Australia

Decision Support System for Network Management – A Pilot Project for Victoria Road Corridor in Sydney

Timothy Lim Regional Head of Professional Services, Aimsun

Smart Roads ‘Infrastructure Talking to Us’ – Using Technology for Enhanced Predictive Road Maintenance

Josh Till ITS Engineering Manager, Transurban

Kapsch Intelligent Corridor AIMES

Dylan Fernandes Solution Consultant, Kapsch TrafficCom Australia

Multi-Modal Transport Platforms – Transitioning to a New Platform in Major Cities

Phillip Walsh Senior ITS Business Development Director APAC, Cubic Transportation Systems

Moving to a Tag-Less Environment

Daniel Shaw Solution Consultant Tolling, Kapsch TrafficCom Australia

Q&A + Discussion with Speakers

Sponsor Note: Cubic Transportation Systems

3B – Breathe Easy: Focus on emissions reductions

MR3+4

MODERATOR **Nerida Power** Marketing Director, Intelematics

Enabling Cities to Take Environmental Sensitive Traffic Measures – A data-driven approach

Fred Kalt Managing Director, Yunex Traffic
Scott Aitken Managing Director, Aimsun

Cycle Detection – Protecting Vulnerable Road Users in Multi-Modal Environments

Lance Brand Senior Solutions Manager, Q-Free Australia

Innovative Solutions Contribute to a Healthy World Without Congestion

David Bolt VP Sales & Solution Consulting (APAC), Kapsch TrafficCom Australia

Low Emission Zones: Road-based Solutions to Combat Air Pollution and Climate Change

Dr Sascha Ruja Business Development Director – Mobility & Urban Services, Egis Group

Clean Air Zones – Video Based Solution to Reduce Emissions in Urban Areas

Adrian Cipuzak Senior Solution Consultant, Kapsch TrafficCom Australia

Q&A + Discussion with Speakers

Sponsor Note: Cubic Transportation Systems

12:30 – 1:30 **LUNCH (MESH Restaurant Crown Promenade)**

Sponsored by Cubic Transportation Systems



1:30 – 3:00

CONCURRENT SESSION 4

**4A – Deep into Data: Under the hood
(Deeper insights into data)**

Promenade Room

MODERATOR **Richard Delplace** Manager Regulatory Market Development, EROAD

Using Mobility Data to Detect Changes in Origin-destination Behaviour Following Major Infrastructure and Policy Events on Australian Toll Roads

Dr Oliver Lock Principal Data Science Consultant, Dspark
Wilson Yung Principal Data Science Consultant, Dspark

Understanding Traffic Performance During the Covid-19 Pandemic Using GPS Probe Data

Elaine Luc Analyst, HoustonKemp

How a Data-Driven Approach Can Solve Long-Standing Traffic Problems

Anthony Symons Head of Data and Technology, Intelematics

Data Enhancements Through Edge Computing at Traffic Signals

Phillip Walsh Senior ITS Business Development Director APAC, Cubic Transportation Systems

Bringing Smart Cities to Life with Data Insights

Claire Thurston Director of Strategic Product – SCATS, Transport for NSW

Q&A + Discussion with Speakers

4B – International Updates: (Reunited, updates from our international colleagues)

MR3+4

MODERATOR **Kim Thomas** Managing Director, Integrate

Infrastructure Investment and Jobs Act (USA), the Drive Toward Technical Innovation, and its Global Potential

John Miller Strategic Delivery and Innovation Director, Transurban

Greater Manchester (UK) – Clean Air Zone

Fred Kalt Managing Director APAC, Yunex Traffic

Efficient Integrated Tunnel Traffic Management in Real-Time

Dave Keenan Regional Head - Business Development Australia and New Zealand, Aimsun

Managed Lanes: A New Approach to a More Efficient Motorways Management

Javier Rojo Tolling Solutions Senior Manager, Indra Australia

Road User Charging in the US and NZ: What Can Australia Can Learn from Their Experiences?

Scott Wilson Client Service Lead - Road User Charging Australia/New Zealand, Milestone Pacific / CDM Smith

Q&A + Discussion with Speakers

3:00 – 3:45

AFTERNOON TEA BREAK

3:45 – 5:00

PANEL DISCUSSION SESSION 5

Promenade Rm

The Road to Decarbonisation of Australia

MODERATOR

Silje Troseth Vice President APAC & General Manager Australia, Q-Free Australia



PANELLISTS

Matt Brennan Head of Sustainability, Transurban

Peter Griffin Director Innovation and Strategic Engagement, Federal Chamber of Automotive Industries (FCAI)

Ross De Rango Head of Energy and Infrastructure, Electric Vehicle Council

Dr Ingrid Burfurd Senior Associate Transport and Cities, Grattan Institute

Session sponsored by Q-Free Australia



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6:30 – 8:00 **WELCOME RECEPTION**
28 Skybar Lounge Crown Metropol

Continue networking over drinks & canapes at 28 Skybar Lounge
The highest and most exclusive cocktail bar in Crown Melbourne
with jaw-dropping views over the Melbourne city scape



Included with your conference registration, cocktail reception
 Drinks and canapes served – early guest arrivals are welcome from 6pm onwards

MC

Dean Zabrieszach Chief Executive, HMI Technologies / Ohmio Automotion, and President ITS Australia

Keynote Address

Dave Mueller Head of Transport Technology for Victoria, Transurban

Sponsored by Transurban

Thursday 28 April 2022

8:30 – 9:00 **ARRIVAL & ALL DAY BARISTA COFFEE**
 Sponsored by Kapsch TrafficCom Australia



9:00 – 10:30 **PLENARY SESSION 6 – The Road Ahead: Challenges & Opportunities from the Road Operators (road operators report back)** Promenade Rm

MODERATOR **Scott Aitken** Managing Director, Aimsun

Presenters will overview the strategy for road technology deployment over the coming 5 years.

Neil Scales Director-General, Department of Transport and Main Roads QLD

Niloo Karimi Director Signal Services, Department of Transport VIC

Craig Moran Executive Director, Customer Journey Management, Transport for NSW

Michelle Martin GM Enterprise Services, Transurban

PLUS: Update from the Australian Toll Industry National MOU Committee

Clifford Brake WestConnex Tolling Manager, Transurban

Q&A + Discussion with Speakers

10:30 – 11:00 **MORNING TEA BREAK**



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11:00 – 12:30 CONCURRENT SESSION 7	
7A – Funding the Future of Transport: Behavioural change Promenade Room	7B – Technology Enabling Mobility of the Future MR3+4
<p>MODERATOR Henry Wu Director, JYW Consulting</p> <p>Small Pricing Change, Big Network Reward Neil France Infrastructure Advisor, Infrastructure Victoria</p> <p>Road User Charging for Light Vehicles Ola Martin Lykkja R&D Project Manager, Q-Free Norge AS</p> <p>The US and the Future of Road Transport Funding Richard Delplace Manager Regulatory Market Development, EROAD</p> <p>Global Learnings and Applications of Technology Enabled Tolling and RUC for Australia Ben Hague APAC Regional Manager, Via Eleanor Joseph Vice President of Strategy and Business Development, Innovation, Via</p> <p>Road User Charging – A nationally consistent 21st century approach Peter Griffin Director Innovation and Strategic Engagement, Federal Chamber of Automotive Industries</p> <p>Q&A + Discussion with Speakers</p>	<p>MODERATOR Dean Zabrieszach CEO, HMI Technologies Ohmio Automotion, President ITS Australia</p> <p>Maximising the Benefits of Automated and Zero Emission Vehicle Technology Sean Williams Principal Economist, Infrastructure Victoria</p> <p>Transmax STREAMS Smart Motorways Andrew Paynter Chief Technology Officer, Transmax</p> <p>The Future of Motorway ITS Technologies Dr Hossein Parsa Principal ITS Strategy and Innovation Lead, Transurban</p> <p>Control Systems Pathways, from Status Quo to Single-O Scott Penno ITS Domain Lead, Transurban</p> <p>Q&A + Discussion with Speakers</p>
<p>12:30 – 1:30 LUNCH (MESH Restaurant Crown Promenade) Sponsored by Cubic Transportation Systems</p> <div style="text-align: right;"> </div>	

1:30 – 2:30	CLOSING PLENARY SESSION 8	Promenade Rm
<p>MODERATOR Susan Harris Chief Executive, ITS Australia</p> <p>An Outside-In Perspective. Thoughts from a technology expert in a new sector Adele Beachley Executive Director SCATS, Transport for NSW</p> <p>NextGens Update – The Future of ITS Tegan Ross Civil Engineer, Aurecon, and ITS Australia NextGen</p> <p>Harnessing AI to Enable Safety and Sustainability Kirk Mitchell Head of APAC Partnerships - Google Maps, Local Search & Google Earth, Google</p> <p>Update on ITS Australia Activities, Conference Close and Thank You Susan Harris Chief Executive, ITS Australia</p>		

VIEW ON DEMAND PRESENTATIONS

View presentations at a time that suits you – available for registrants in the [ITS Australia Portal](#)

DATA ANALYTICS & TOOLS

Axle-based Vehicle Classification Using Tracking Radar

Alastair Wiggins, Technical Director, Sensys Gatso Australia
Victor Deville, Radar Support Engineer, Sensys Gatso Australia

Detecting Erroneous Traffic Sensor Data in a Traffic Management System

Dr Ahmad Tavassoli, Senior Traffic Modeller, Transurban

Impacts of Covid 19 Lockdowns on Traffic Patterns and Toll Road Value Proposition

Dr Amir Minagar, Principal Motorway Network Optimisation, Transurban

Transurban ITS Operations Maintenance & Support Future Model

Stephen Connell, Head of ITS Operations Excellence, Transurban

NETWORK OPTIMISATION & PLANNING

Motorway Off-Ramp Back-of-Queue Risk Analysis

Timothy Clark, Senior Transport Planner, Transurban

Reshaping Future Freight Supply Chains and Implications for Patterns of Road Use in Greater Sydney

Adrian Kemp, Partner, HoustonKemp Economists
Sam Pfeiffer, Economist, HoustonKemp Economists

SMART TUNNELS & BRIDGES

Evolution of Smart Tunnels Management

Henry Wu, Director, JYW Consulting

Reality Capture for Tunnel Asset Management

James Sanderson, National Business Development Manager, Intellispatial

Strategy-Led Tunnel Positioning and Wayfinding ITS Technology Deployments – Transurban Case

Dr Hossein Parsa, Principal ITS Strategy and Innovation Lead, Transurban

FUTURE TOLLING & TRANSPORT PRICING

Sustainability in Tolling Roadside Systems

Andreas Goldhorn, Domain Lead – Tolling, Transurban

Electronic Tolling – Ideas for Future-proof Concepts

Sebastian Althen, Head of Sales and Products, Interurban & Tolling Systems, Yunex Traffic
Klaus Theml, Yunex Traffic

Video Tolling Review - An Integrated Approach

Jos Nijhuis, SVP Image Review Solutions, Q-Free Netherlands B.V.



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TRAVELLER & CONSUMER EXPERIENCE

Incentivise Private Motorists to Reduce Carbon: Keep Within the 1.5 Degrees Celsius Target - Glasgow Transport Futures Model

Errol Kruger, Director Customer Strategies, Enjoy the Air Limited

DATA FOR SUSTAINABLE & EQUITABLE TRANSPORT

Portable Vehicle Identification and Classification

Dale Fowler, Sales Director, Sensor Dynamics

INTERNATIONAL PERSPECTIVES

Solving Complex Challenges for Improved Safety and Mobility Outcomes

Peter Walter, Sales Director, Redflex, a Verra Mobility Company

PAYMENT MANAGEMENT & COLLECTIONS

Passive RFID - Cheap! but Can It Perform as Road Toll Option?

Erik van Vulpen, Deputy Director Centre for Technology Infusion, La Trobe University

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STAY UPDATED



Final Program – at 28/4/22