



NZ TRANSPORT KNOWLEDGE CONFERENCE 2024

<https://www.transportknowledgeconference.co.nz/>

8.00am	Registration desk opens
8.45am	MC Welcome & Housekeeping Opening Address
9.00am	Keynote address 1 <i>Prof. David Levinson – University of Sydney</i>
9:30am	Keynote address 2 <i>Geoff Cooper – NZ Infrastructure Commission</i> Toward a National Infrastructure Plan
10:00am	Keynote address 3 <i>Stephanie Ward – KPMG New Zealand</i> Delivering value for money from infrastructure investment
10.30am	Morning Tea

Parallel Session One

	Data and Modelling Room: MZ01	Transport Planning and Evaluation Room: MZ02	Safety Room: G24	Urban Outcomes Room: 102	Health Room: LT2
	Understanding travel behaviour	Funding and Investment	Modelling Safety	Te Ara Mua session	Health
11.00am	Understanding Travel Behavior Through Mobility Data: Insights into Travel Patterns Conrad MacCormick <i>Nicholson Consulting</i>	Sector Investment Pipeline: Building an Investment Plan Christine Vaughan <i>NZ Transport Agency</i>	Towards a Rational Road Crash Forecast Model to inform road safety policy Urie Bezuidenhout <i>Davinci Research</i>	Te Ara Mua Future Streets: 10 years of understanding suburban street and social change for health, equity and sustainability <i>University of Otago</i> This session includes five presentations:	Modelling equity and population health impacts of decarbonising the transport sector in Aotearoa/NZ Caroline Shaw <i>University of Otago</i>
11.25am	Using Snapper card data to unveil public transport commuter patterns in Wellington Region Stephen Christie <i>Wellington Transport Analytics Unit</i>	International trends in optimizing the revenue instrument mix in road network funding Peter Carr <i>Eroad Ltd</i>	Assessing Travel Time benefits to through traffic vs improved safety outcomes for local communities Doug Wilson <i>University of Auckland</i>	<ol style="list-style-type: none"> 1. Results from the three Kaupapa Māori- Kimiora Raerino, 2. Final results from the quantitative measures – Alex MacMillan, 3. Road user behaviour around schools (video data analysis) – Hamish Mackie, Melody Smith, 4. E-bike trial – Karen Witten, Alistair Woodward, 5. Cost-benefit modelling of Auckland-wide implementation – Jamie Hosking, Alex MacMillan 	Population health impacts of light vehicle electrification: A modelling study in Aotearoa/New Zealand Caroline Shaw <i>University of Otago</i>
11.50pm	Impacts of NZ half-price fares policy on urban public transport patronage - Wellington case study Ian Wallis <i>Ian Wallis Associates Ltd</i>	Funding Methods for Sustainable Transport Projects: A Case Study of Value Capture in Wellington Logan Silson <i>Massey University</i>	Building a model for safety effects when travel modes change - it's complicated... Glen Koorey <i>Viastrada</i>		Classifying unsealed roads by relative risk of exposure to fine particles in road dust Jenny Simpson <i>Tonkin & Taylor</i>
12.15pm	Lunch				

Parallel Session Two

	Data and Modelling Room: MZ01	Transport Planning and Evaluation Room: MZ02	Safety Room: G24	Urban Outcomes Room: 102
	Heavy vehicles and freight	Economic impacts	Perceptions and road safety	Accessibility and urban outcomes
1.10pm	Introduction to the Freight Information Gathering System (FIGS) Christina Poeltl <i>Ministry of Transport</i>	Wider economic benefits Wentao Yang <i>NZ Transport Agency</i>	Perceptions of Public Transport, Cycling and Walking Among Auckland Drivers Kathryn Ovenden <i>Auckland Council</i>	What is new? Tracking our e-travel with the New Zealand Household Travel Survey Jennifer McSaveney <i>Ministry of Transport</i>
1.35pm	How far do heavy vehicles travel? Determining VKT from RUC data Ainsley Smith <i>Ministry of Transport</i>	Knowing New Zealanders - Evidence of transport's enablement of economic and social prosperity Carol Christie <i>NZ Transport Agency</i>	Opinions about road safety: Findings from the Pōneke/Wellington Transport Survey 2023 and 2024 Sandra Mandic <i>Wellington City Council</i>	Establishing a methodology for integrated transport accessibility measures Eilya Torshizian <i>Principal Economics Limited</i>
2.00pm	Using Motor Vehicle Register data to understand the Heavy Vehicle Fleet Jasmine Anthony <i>Ministry of Transport</i>	Monetising the benefits of transport resilience Bryce Hartell <i>NZ Transport Agency</i>	Unlocking the influence of distance on Wellingtonians' work and school transport choices and safety perceptions Rajan Ghosh & Tessa Pocock <i>Wellington City Council</i>	Integrating Mass-Rapid Transit and Urban Outcomes Amy Thompson <i>Auckland Transport</i>
2.25pm	Modelling heavy vehicle imports Thoa Hoang <i>Ministry of Transport</i>	Determining the Carbon footprint of land transport infrastructure in Aotearoa New Zealand Sam Turner <i>Beca</i>	Free Reflective Gear Increases Active Traveller Perception of Visibility and Safety Mel Ansell <i>Greater Wellington Regional Council</i>	Transport's role in third spaces supporting community wellbeing of disabled people and older residents Shanthi Ameratunga <i>The University of Auckland</i>
2.50pm	Afternoon Tea			
3.20pm	Keynote address 4 <i>Stuart Donovan, Motu Economic and Public Policy Research</i> Looking at the role of transport through a spatial and urban economic lens			

Parallel Session Three				
	Data and Modelling Room: MZ01	Transport Planning and Evaluation Room: MZ02	Safety Room: G24	Urban Outcomes Room: 102
	Monty agent-based modelling	Innovative data-based approaches	Enhancing road safety	Micromobility
4.00pm	Computing Kiwis - creating representative agents for transport simulation Shrividya Ravi <i>Ministry of Transport</i>	National Network Performance: Simplifying Benefits Analysis Hrishikesh Kodthuguli <i>NZ Transport Agency</i>	Is targeting blackspots an efficient method for achieving death and serious injury reduction Ian Robertson <i>WSP</i>	Evaluating Shared Micro-mobility in Wellington City: The Tension Between City Vibrancy and Safety Danial Jahanshahi <i>Wellington City Council</i>
4.20pm	Predicting the past with Monty: a credibility study Joao Costa <i>Ministry of Transport</i>	Enhancing Transport Investment Planning through an AI powered Intervention Catalogue Sandy Fong <i>NZ Transport Agency</i>	Optimising road user behaviour at passive rail crossings: Enhancing safety Joel Burton <i>WSP</i>	Health, wellbeing, and social benefits of a marae-led e-bike support programme Emma Osborne <i>University of Otago Wellington</i>
4.50pm	Please join us on the for networking drinks and nibbles Mezzanine Level, Conference Venue <i>(Please note; Beverages will be an eftpos only bar)</i>			