



**TRANSPORT KNOWLEDGE  
CONFERENCE 2024**

Transport's Role in Economic  
and Social Prosperity

Victoria University of Wellington  
Te Herenga Waka

**11 DECEMBER 2024**

## NZ TRANSPORT KNOWLEDGE CONFERENCE 2024

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

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

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

## 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) <b>Christina Poeltl</b> <i>Ministry of Transport</i>	Wider economic benefits <b>Wentao Yang</b> <i>NZ Transport Agency</i>	Perceptions of Public Transport, Cycling and Walking Among Auckland Drivers <b>Kathryn Ovenden</b> <i>Auckland Council</i>	What is new? Tracking our e-travel with the New Zealand Household Travel Survey <b>Jennifer McSaveney</b> <i>Ministry of Transport</i>
1.35pm	How far do heavy vehicles travel? Determining VKT from RUC data <b>Ainsley Smith</b> <i>Ministry of Transport</i>	Knowing New Zealanders - Evidence of transport's enablement of economic and social prosperity <b>Carol Christie</b> <i>NZ Transport Agency</i>	Opinions about road safety: Findings from the Pōneke/Wellington Transport Survey 2023 and 2024 <b>Sandra Mandic</b> <i>Wellington City Council</i>	Establishing a methodology for integrated transport accessibility measures <b>Eilya Torshizian</b> <i>Principal Economics Limited</i>
2.00pm	Using Motor Vehicle Register data to understand the Heavy Vehicle Fleet <b>Jasmine Anthony</b> <i>Ministry of Transport</i>	Monetising the benefits of transport resilience <b>Bryce Hartell</b> <i>NZ Transport Agency</i>	Unlocking the influence of distance on Wellingtonians' work and school transport choices and safety perceptions <b>Rajan Ghosh &amp; Tessa Pocock</b> <i>Wellington City Council</i>	Integrating Mass-Rapid Transit and Urban Outcomes <b>Amy Thompson</b> <i>Auckland Transport</i>
2.25pm	Modelling heavy vehicle imports <b>Thoa Hoang</b> <i>Ministry of Transport</i>	Determining the Carbon footprint of land transport infrastructure in Aotearoa New Zealand <b>Sam Turner</b> <i>Beca</i>	Free Reflective Gear Increases Active Traveller Perception of Visibility and Safety <b>Mel Ansell</b> <i>Greater Wellington Regional Council</i>	Transport's role in third spaces supporting community wellbeing of disabled people and older residents <b>Shanthi Ameratunga</b> <i>The University of Auckland</i>
2.50pm	<b>Afternoon Tea</b>			
3.20pm	<b>Keynote address 4</b> <i>Stuart Donovan, Motu Economic and Public Policy Research</i> <b>Looking at the role of transport through a spatial and urban economic lens</b>			
3.50pm	<b>Address by Minister of Transport</b>			

Parallel Session Three				
	<b>Data and Modelling</b> Room: MZ01	<b>Transport Planning and Evaluation</b> Room: MZ02	<b>Safety</b> Room: G24	<b>Urban Outcomes</b> Room: 102
	<b>Monty agent-based modelling</b>	<b>Innovative data-based approaches</b>	<b>Enhancing road safety</b>	<b>Micromobility</b>
4.10pm	Computing Kiwis - creating representative agents for transport simulation <b>Shrividya Ravi</b> <i>Ministry of Transport</i>	National Network Performance: Simplifying Benefits Analysis <b>Hrishikesh Kodthuguli</b> <i>NZ Transport Agency</i>	Is targeting blackspots an efficient method for achieving death and serious injury reduction <b>Ian Robertson</b> <i>WSP</i>	Evaluating Shared Micro-mobility in Wellington City: The Tension Between City Vibrancy and Safety <b>Danial Jahanshahi</b> <i>Wellington City Council</i>
4.35pm	Predicting the past with Monty: a credibility study <b>Joao Costa</b> <i>Ministry of Transport</i>	Enhancing Transport Investment Planning through an AI powered Intervention Catalogue <b>Sandy Fong</b> <i>NZ Transport Agency</i>	Optimising road user behaviour at passive rail crossings: Enhancing safety <b>Joel Burton</b> <i>WSP</i>	Health, wellbeing, and social benefits of a marae-led e-bike support programme <b>Emma Osborne</b> <i>University of Otago Wellington</i>
5.00pm	<b>Please join us on the for networking drinks and nibbles   Mezzanine Level, Conference Venue</b> <i>(Please note; Beverages will be an eftpos only bar)</i>			