



**Safe  
Sustainable  
Future**

29 - 31 March 2017  
Distinction Hotel  
Hamilton

# Conference Programme



IPENZ Transportation Group  
Conference 2017  
[ipenztgconference.co.nz](http://ipenztgconference.co.nz)







## WEDNESDAY 29 MARCH






12:00pm	Registrations open	Exhibition hall
	Technical tours	Offsite
	All coaches proudly sponsored by	
Noon	1. Tour of Huntly section of Waikato Expressway	
2:00pm	2. Cycle tour of Western Rail Trail	
2:00pm	3. Walking tour	
2:00pm	4. Avantidrome	
5:30pm	Coaches depart Distinction Hamilton Hotel for the welcome function	
	<b>IPENZ TG Evening of Gastronomical Delights: a progressive dinner in 3 groups</b>	
6:00pm	First venue for entrée (cash bar for drinks)	
7:00pm	All groups together at The Bank (first drink covered by tab and thereafter cash bar)	
7:15pm	Welcome to Hamilton: <b>Andrew King, Mayor of Hamilton City Council</b>	
7:45pm	Move to second venue for mains (cash bar for drinks)	
8:30pm	All groups together at The Bank (first drink covered by tab and thereafter cash bar)	
9:00pm	Move to third venue for dessert (cash bar for drinks)	
9:45pm	All groups to Shenanigans bar for live music (cash bar for drinks)	
9:45pm	First bus returns to official hotel/motels	
11:00pm	Last bus returns to official hotel/motels	



## THURSDAY 30 MARCH - Sustainability

7:30am	Registration, with arrival tea and coffee		Exhibition hall
	Plenary		Conference 1-3
8:00am	Welcome: Alan Gregory, IPENZ TG Chairperson		
8:15am	Role of industry in sustainable transport: Fraser Whineray, CEO, Mercury		
8:45am	Transport—harnessing the revolution: Fergus Gammie, CEO, NZ Transport Agency		
9:15am	Transport Transition Engineering: Dr Susan Krumdieck, Professor in Mechanical Engineering, University of Canterbury		
9:45am	Data Collection & Reporting: Kevin John, Matrix		
9:45am	Morning break		Exhibition hall
	Network management	Conference 1-3	Business case/funding/planning  Conference 4
10:15am	Advanced network management - Hamilton and the wider transportation network Nathan Harper, AECOM		Additional Waitemata harbour crossing route protection Geoffrey Haines and Rebekah Pokura-Ward, NZ Transport Agency
10:30am	Establishment of effective travel time data measures for network performance Anita Lin, Auckland Transport		Everything is awesome - using Lego(R) to engage with communities Jake Roos, Jake Roos Consulting Ltd
10:45am	Are we still paving paradise? New techniques in parking management Bridget Spence, Abley Transportation Consultants		Enabling the new network - using the business case approach to addressing Auckland's transportation challenges Sam Corbett, Jacobs & Biserka Stetic, Auckland Transport
11:00am	Evaluating the Auckland cycle model Michael Jongeneel, Flow Transportation Specialists		Capturing value: new funding strategies for transport infrastructure Nathan Harper, AECOM

# THURSDAY 30 MARCH - Sustainability

11:15am	Move to plenary room		
	3M award finalists—presentation of projects		Conference rooms 1-
11:20am	Introduction		Michael Holderness, 3M
11:22am	Speed Management Guide and Mapping Tool		Glenn Bunting, NZ Transport Agency
11:27am	Motorcycle safety: Shiny Side Up Bike Fest		Steve James, NZ Transport Agency
11:32am	Renewal and improvement of the SH1 Penrose Over Height Detection System (OHDS)		Dean Parker, Auckland Motorway Alliance
11:37am	Delivering safer speeds on State Highway 1 in rural townships		Jamie Povall, Stantec
11:42am	Tableau: a cool tool for interrogation of crash data		Andrew Stevens, Auckland Motorway Alliance
	Quick fire presentations of posters		Conference rooms 1–3
11:47am	Understanding the travel behaviour of young adults		Inho Lim and Ehsan Askarany, University of Auckland
11:49am	Bike share 101		Abigail Mace, Jacobs
11:51am	Commuting distance and transport energy resilience		Ming Bai, University of Canterbury
11:53am	Visiting drivers project - safe & enjoyable journeys		Holly Attwell, Opus International Consultants
11:55am	Auckland Transport rural road signage and delineation plan		Catherine Yung, Auckland Transport
11:57am	Framework for bluetooth journey time analysis for model validation		Thanura Rabel, Opus International Consultants
11:59am	Intersection crash commonalities - an automated process		Bridget Southey-Jensen, Abley Transportation Consultants
12:02pm	Traffic Sign Digital Revolution: Mark Emmerson, Avery Dennison Reflective Solutions		
12:02pm	Lunch		Exhibition hall
	Poster viewing		Conference foyer
12:30pm	Blind Zone demonstration: Will Andrews, Cycling Action Network		Carpark outside conference foyer
	Plenary		Conference rooms 1-3
1:10pm	Future of rail transport: David Brinsley, National Manager IMEX, KiwiRail		
1:40pm	Tailoring Transport: Doug Johnson, Tonkin + Taylor		
1:40pm	Move to break out rooms		

# THURSDAY 30 MARCH - Sustainability




	Design and public transport Conference 1-3	Fuel/future vehicles Conference 4
1:45pm	Auckland's Strategic Public Transport Network – Lessons learned from the business case approach <b>Daniel Newcombe, Auckland Transport</b>	Electric vehicles: drive a safe sustainable future <b>Elizabeth Yeaman, Energy Efficiency and Conservation Authority</b>
2:00pm	Walking and cycling as an integral part of a safe, sustainable future <b>Eric Pyle, New Zealand Access Walking Commission</b>	Driving alone versus riding together: how shared autonomous vehicles can change the way we travel <b>Peter Davidson, TransPosition</b>
2:15pm	Australasian applicability of European design practice for street running light rail <b>Scott Elaurant, Jacobs</b>	Overview of Intelligent Transportation Systems deployment and future development in New Zealand <b>Neha Sharma, Beca Ltd</b>
2:30pm	Sustaining Auckland City Centre through the construction of the Central Rail Link <b>Miguel Menezes, Auckland Transport</b>	Leveraging big data to optimise network performance & construction delivery <b>Pamela Ward, Qrious Ltd</b>
2:45pm	Combining the power of bicycle use and public transport: implementing the bike-train system in the New Zealand context <b>Tom Williams, Jacobs New Zealand</b>	Slice simulation modelling—a new approach for building very large, very detailed models <b>Peter Davidson, TransPosition</b>
3:00pm	<b>Afternoon break</b> 	Exhibition hall
3:30pm	<b>Cycling &amp; transport futures: roundtable session</b>	Various locations—refer below in left column
<b>Locations:</b>	<b>You can choose 4 x 12 minute presentations to attend during this session. Each presenter will repeat their presentation at 3:30, 3:45, 4:00 and 4:15pm.</b>	
Conference 1	Developing options for contra-flow cycleways	<b>Glen Koorey, ViaStrada Ltd</b>
Conference 2	Increasing bike fleets in New Zealand and how the new health and safety act may affect bicycle fleet uptake	<b>Ellie Craft, Beca</b>
Conference 3	Planning for cycling in the dispersed city	<b>Lukas Adam, Oxford Brookes University, UK</b>
Conference 4	Wayfinding the new cycleways	<b>Jack Jiang, AECOM</b>
Conference 4	Separated cycle lanes in the New Zealand context	<b>Peter Kortegast, Opus</b>
Seminar 1	How to effectively engage the public in future growth areas	<b>Lorraine Stone, Auckland Transport</b>
Seminar 2	Learnings from a programme business case: Transport Networks for Growth Programme	<b>Gavin Smith, Auckland Transport</b>
Seminar 3	Are we leaving money on the table? Assessing the impacts of public and active transport investments on car ownership and parking costs <b>Peter Nunns, MRCagney</b>	

# THURSDAY 30 MARCH - Sustainability

4:30pm	End of day	
5:15pm	Coaches depart for conference dinner from official hotel/motels	
6:15pm	<b>Hobbiton Movie set</b> tour and drinks	
8:15pm	Dinner	
9:00pm	Hon David Bennett, Associate Minister of Transport	
9:05pm	3M Safety Innovation Awards	
11:00pm	Buses depart Hobbiton Movie set for Distinction Hamilton Hotel	
11:45pm	Arrival at official hotel motels	



## FRIDAY 31 MARCH - Safety

8:00am	Registration, with arrival tea and coffee		Exhibition hall
	Plenary		Conference 1-3
8:30am	Transport, time for change? <b>Andrew Jackson, Deputy Chief Executive, Ministry of Transport</b>		
9:00am	How can we have a better road safety response? <b>Assoc. Prof Jeremy Woolley, Director, Centre of Automotive Research, The University of Adelaide</b>		
9:30am	Zero deaths and serious injuries: leading a paradigm shift to a safe system <b>Colin Brodie, National Safety Advisor, NZ Transport Agency</b>		
10:00am	Wire Rope Barrier Post Foundations: <b>Sue Walker, CSP Pacific</b>		
10:00am	Morning break		Exhibition hall
	Safe systems in action	Conference 1-3	The future of safety
			Conference 4
10:30am	Reducing injury on all legs of public transport journeys <b>William Frith, Opus Research</b>		A fresh approach for prioritising and treating high risk curves <b>Carl O'Neil, Abley Transportation Consultants</b>
10:45am	Self-explaining rural roads: from concept to the challenge of implementation <b>Hamish Mackie, Mackie Research</b>		Understanding pedestrian safety in New Zealand <b>Bridget Burdett, TDG</b>
11:00am	The effect of specimen preparation on the mechanical properties of open graded porous asphalt <b>Anika Bushra and Nilu Seneviratne, University of Auckland</b>		Safe Roads — the unique alliance <b>Tony Keyte, Safe Roads Alliance</b>
11:15am	When is flag lighting an intersection a good use of the safety dollar? <b>William Frith, Opus Research</b>		Pedestrianised 'shared spaces' Auckland CBD an operational and safety review <b>Bruno Royce, Traffic Engineering Solutions</b>
11:30am	Move to plenary rooms		

# FRIDAY 31 MARCH - Safety

	Plenary	Conference 1-3
11:35am	Safe system in practice: <b>Wayne Moon, Senior Program Development Engineer, VicRoads</b>	
12:05pm	Using human-centered design and innovative technology to understand localised congestion: <b>Micah Gabriels, Head of Product, Qrious</b>	
12:05pm	Lunch IPENZ TG AGM 	Exhibition hall Conference 4
	Plenary	Conference 1-3
1:00pm	NZ Police perspective: <b>Inspector Freda Grace, Road Policing Manager, Waikato District, NZ Police</b>	
1:30pm	Move to breakout rooms	
	Safety enforcement	Conference 1-3
		Safe by design
		Conference 4
1:35pm	Delivering safe roads for the Bay of Plenty <b>Cara Phillips, Beca</b>	Road safety improvement: identifying a reasonable goal <b>Alan Nicholson, University of Canterbury</b>
1:50pm	Road safety study in New Zealand: road accidents involving overseas drivers <b>Hyun-Chan Kim, Waikato Institute of Technology</b>	Pedestrians – an endangered subspecies <b>Chris Teo-Sherrell, Living Streets Aotearoa</b>
2:05pm	Changing rural speed limits – learning from the past <b>Glen Koorey, ViaStrada Ltd</b>	Auckland Motorway Alliance - Suicide Resilience Study <b>Sam Pasley, Auckland Motorway Alliance</b>
2:20pm	Highway 22 motorcycle safety <b>John Goettler, AECOM</b>	Bikes 'n' lights in North America: Findings from a study tour <b>Megan Fowler, ViaStrada</b>
2:35pm	Road safety study – Candia road crash evaluation 'before' and 'after' <b>Bruno Royce, Traffic Engineering Solutions</b>	Transport and urban design—the case for greater collaboration <b>Jeanette Ward, Abley Transportation Consultants</b>
2:50pm	Afternoon break	Exhibition hall
	Plenary	Conference 1-3
3:15pm	Transport Feuding with <b>Greg Ellis</b>	
4:00pm	Conference awards	
4:30pm	Wrap up	
4:45pm	Conference close	