

Equity in Transportation

Transportation
Conference

10–13 March 2020
Christchurch Town Hall



Jacobs



3M

Conference Handbook





Visualisation: Blatchford, Edmonton, Canada

CONNECTING COMMUNITIES

Find us at the Stantec coffee cart.

INFORMATION

- Welcome to the conference
- Conference committee
- Information desk times
- Car parking
- Pedestrian access
- Bike parking
- E-Scooters
- Catering & dietary requirements
- Luggage storage
- Useful numbers
- Wi-Fi
- Event app
- Exhibitors' quiz
- Name badge categories
- Evacuation procedures
- Twitter competitions
- Poster session
- Informal networking event
- Jacobs welcome function
- 3M conference dinner
- Judges
- Paper reviewers
- Voting for people's choice for best presenters
- Delegate survey
- Presentations
- Conference photos
- Transport to airport
- Floor plan
- Exhibitors & sponsors

PROGRAMME

- Wednesday 11 March
- Thursday 12 March
- Friday 13 March

WEDNESDAY

- Greg Ellis
- Gemma Dioni & Nick Lovett
- Mike Davidson
- Hon. Julie Anne Genter
- Dr Rhys Jones
- David Sim
- Kathryn King
- Street Wars. A new hope.
- Sharing Mobility
- Streets for People
- Places for People

THURSDAY

- Fabian Marsh
- Dr Bhagwant Persaud
- 3M Traffic Safety Innovation Awards
- Bernadette Fatu & Rahera Elisaia-Hopa
- Rochelle Hardy
- Iain MacDougall
- Poster presentations
- Soapbox
- Shaping Choices
- Walking trip – Cultural Narrative
- Walking trip – Transport & Placemaking
- Safer Streets
- Smart Mobility

FRIDAY

- Prof. Susan Krumdieck
- Daniel Jenkins via satellite
- Coby Duggan
- The Learning Café
- Future mobility; winning with walking & biking
- Prof. Shanthi Ameratunga
- Darral Campbell & Dr Susan Gee
- Jezza Williams
- Awards presentations

DELEGATE LIST



We want to work together to create a safer, more accessible land transport system that connects people and creates vibrant communities to live in



CONFERENCE WELCOME

Welcome to Ōtautahi Christchurch. The organising committee are super excited to welcome you to the Garden City for Transportation 2020. The team have been hard at work pulling together this event to ensure that Transportation 2020 is a conference to remember, from the amazing line-up of speakers to the wonderful conference and social venues.

We believe the 2020 conference will offer a unique opportunity to influence, network and share ideas across our diverse and wide-ranging transport sector and with others aligned and involved in our sector outcomes. We note there are quite a few new names on the presentation, delegate and sponsor/exhibitor list, which is excellent. We would like to thank you all for your continued support and contributing towards the ongoing conversations in creating liveable, diverse and vibrant cities that allow more people to move by transport solutions that are healthier, safer and smarter.

We hope the conference opens up our thinking and broadens our conversations on how to make our towns and cities more sustainable, functional and inclusive for the benefit of communities and future generations. The high number of abstracts received this year means we have packed sessions full of superb presentations covering diverse topics. The different session formats have been created to maximise the number of speakers who can participate – an important part of the Groups purpose. The keynotes and plenary speakers come from a range of backgrounds and also offer diversity in topics.

The conference committee would like to thank all our speakers, presenters, sponsors and supporters: without you, none of this would be possible. Once again, a big thank you to Harding Consultants and the support they provide the conference committee.

Over the next three days, we encourage you to connect with the conference community and also discover what Christchurch has to offer.

Best wishes from the team,

Gemma Dioni
Conference Convenor



Grace Ryan, Nick Lovett, Gemma Dioni, Shane Turner, Stephen Carruthers, Melanie Muirson (missing in Wellington Jeanette Ward)

CONFERENCE COMMITTEE



Stephen Carruthers



Gemma Dioni



Nick Lovett



Melanie Muirson



Grace Ryan



Dr Shane Turner



Jeanette Ward

GENERAL INFORMATION

Harding Conferences' team



Glenda Harding



Teresa Cargill



Lizzie Dryden

We're here to help at the information desk:

Tuesday 10 March 4:30pm – 5:30pm

Wednesday 11 March 8:00am – 5:30pm

Thursday 12 March 8:00am – 5:30pm

Friday 13 March 8:00am – 3:30pm



Libby Hilder

CAR PARKING

There is no onsite parking at the Christchurch Town Hall, however there are several public car parks located within close vicinity. Christchurch Casino carparks offer a daily rate of \$12. There is a drop-off zone in front of

the Christchurch Town Hall on Kilmore street. Note: Kilmore Street is a one-way street heading west.

ACCESSIBILITY CAR PARK

A mobility car park is located at the front entrance of the Town Hall on Kilmore Street.

PEDESTRIANS

Pedestrian access is via Kilmore Street or the Avon entry via Victoria Square.

BIKE PARKING

Bike Racks are located near the roadside on Kilmore Street, left and right of the main entrance.

E-SCOOTERS

People arriving via e-scooters are asked to park them away from the entrance doors and not to obstruct any emergency exits.

CATERING & DIETARY REQUIREMENTS

Morning/afternoon breaks and lunch will be served in the exhibition area (Victoria Room). Please have a wander around the exhibitors' booths and spend this time networking.

Special dietaries will be on a separate table and a Vbase staff member will be there to assist you with any dietary requirements. Please note that if you haven't advised us of a special dietary requirement prior to the conference it is not possible to add this in now.

At the welcome function canapés and platters will be served.

At dinner please make yourself known to the wait staff.

LUGGAGE STORAGE

Limited luggage storage is available at the venue. Look for signage.

USEFUL NUMBERS

Glenda Harding	027 436 3083
Teresa Cargill	021 224 6305
Lizzie Dryden	021 250 3931
Libby Hilder	021 226 7899
Air NZ	0800 737 000
Green Cab taxis	0800 464 7336
Blue Bubble taxis	03 379 9799
After Hours surgery	03 365 5555



**Equity in
Transportation**

WI-FI

To access, connect to “Vbase free WiFi” and accept the terms and conditions. No password is required.

EVENT APP

Event app name: **EventsAIR**

Event app code: **transport20**

EventsAIR has up-to-date information regarding the conference. Having issues downloading it? Links to download are on the website.

1. Enter your email (the one you used to register)
2. Use your password (you can reset this if you've forgotten)
(Come see us at the information desk if you need assistance).

EXHIBITORS' QUIZ

Complete the Exhibitors' quiz which can be accessed via the event app. Winner receives a \$100 Prezzy card.

NAME BADGES

Coloured strips identify each group. In an effort to reduce our use of plastic, with huge thanks to Dr Bridget Burdett for the inspiration, we have a style that combines the mini programme and

alleviates the need for plastic. We've even up-cycled old lanyards for the bag tags. For security purposes please wear your name badge at all times. Should you misplace it come to the information desk for a replacement.



EVACUATION PROCEDURES

FIRE EVACUATION

If the alarms sound, please exit the building using the nearest available exit. If any of the exits should not be used, they will denote a red NO EXIT sign.

In the event of an emergency remember, stay calm and make your way to the nearest exit. Vbase staff will assist in the evacuation of the venue should this

become necessary. Please follow the instructions of the Vbase staff at all times.

EARTHQUAKES

Please stay away from windows, find cover and remain until all tremors have finished. Should the alarm go off during an earthquake, please remain under the shelter or in the venue.

In the event of a significant earthquake it is best practice to Drop, Cover and Hold until the shaking stops. Venue staff will then provide direction on what to do next. It is usually safest to remain indoors until advised it is safe to exit. Follow instructions from Vbase staff or emergency warden.



SOCIAL FEED

Showcase your creativity at the conference by participating in the #enztg20.

Entry is via Twitter, Instagram or the event stream (on the attendee app) using the hashtag #enztg20

There are three categories for entry:

1. BEST PICTURE

Capture the essence of the annual conference in a single shot.

2. BEST SHORT FILM

We're looking for the best video of the conference.

3. BEST EXHIBITOR TWEET

Get down to the exhibition and show the exhibitors some love. Bonus points for including their handle(s).

The competition is a bit of fun and a chance for you to showcase your team whilst you're in Christchurch. Winners announced at the end of conference.

TOILETS

The nearest toilets are located in the main foyer on the ground floor. Take the stairs or the elevator down to the

ground floor and then walk across the foyer to get to the toilets.

POSTER SESSION

Posters are in the exhibition area for you to visit throughout the entire conference. A 2-minute rapid fire presentation from each of the authors will be held from 11:25am on Thursday.

JUDGES

The Transportation Group extends its sincere thanks to Fergus Tate who has led a team of judges; Tony Brennand, Jo Chang and Phil Peet who read all the presented papers and awarded prizes.

Thank you for all your hard work.

PAPER REVIEWERS

The Transportation Group 2020 organising committee wishes to convey their very special thank you to everyone involved in managing the conference paper process, including the Paper Convenor, Dr Shane Turner and many peer reviewers.

Without you this conference wouldn't be possible.

VOTING FOR PEOPLE'S CHOICE BEST PRESENTERS

Make sure you vote. Reward the presenters for all their effort. This is available on the event app. We also have an iPad available at the information desk for those who do not have access to EventsAIR.

DELEGATE SURVEY

Use our event app to give us your feedback. Those who submit their delegate survey go into a draw to win a \$100 Prezzy card.

PRESENTATIONS

All presentations will be loaded onto the conference website in pdf format within two weeks of the conference.

CONFERENCE PHOTOS

Photos taken by the professional photographer will be available on the conference website within the next two weeks. You will be able to download them at no cost.

TRANSPORT TO AIRPORT

Contact details of transport providers can be found on the event app under Transport options or on the website.

SOCIAL FUNCTIONS



INFORMAL NETWORKING EVENT

Tuesday 10 March 5:30pm

The Metropolitan Social Club, Salt District
255 St Asaph St, Christchurch
Meet the TG Canterbury branch team
for an informal gathering.

JACOBS WELCOME FUNCTION

Wednesday 11 March 6:00pm

Castro's Tapas & Bar, 1st Floor, Riverside
Market, 100 Oxford Tce & Lichfield St
A walking bus departs from the Town
Hall at 5:45pm for a leisurely stroll along
the Avon River (10 minutes). Or jump on
a Lime scooter after completing H&S.

Enjoy light finger food, a few drinks,
some entertainment and the chance to
network with your peers and relax in a
unique setting.

After the event stroll along The Terrace
to find another fab place to eat or more
entertainment.

3M CONFERENCE DINNER

Thursday 12 March 7:00pm – 11:30pm

Isaac Theatre Royal, 145 Gloucester St
**Come dressed in your roaring 20's outfit
– nod to the past, present & future.**

6:30pm Shuttle collection (a mini van) for
those who can't walk from Breakfree, Fino
Hotel & Focus Motel. Please let the information
desk know if you require transport.

7:00pm 3M conference dinner commences.
The 3M Traffic Safety Innovation awards
will take place, so join us in celebrating the
professional success of your colleagues.

10:30pm Shuttle commences to hotels.

11:30pm Last shuttle departs.

Platters provided by:



Drinks tab provided by:



JACOBS

3M

Don't leave safety to chance.

Working towards zero road fatalities starts with not leaving safety, quality and durability to chance.

Did you know that 3M has a full sign replacement warranty that covers the cost removal, replacement and erection costs?

■ **3M product performance:**

Ensure you're getting genuine 3M reflective for your signs to maximise reflective impact.

■ **Quality, locally-made signs:**

By using 3M Certified Australian and New Zealand partners, your signs will be manufactured to the highest of standards.

■ **Peace of mind:**

3M offers a full sign replacement warranty for up to 12 years.

Choose a 3M Diamond Certified Manufacturer to ensure that you are using a compliant and genuine 3M product that meets or exceeds all applicable New Zealand standards¹.



3M™ Diamond
Certified Manufacturer

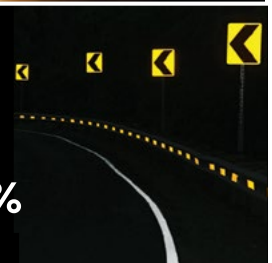
Up to
12 years
Extended Warranty
on Permanent Signage¹.



Visibility matters.

Studies have found that where more-visible signs are installed, **crash numbers have fallen**

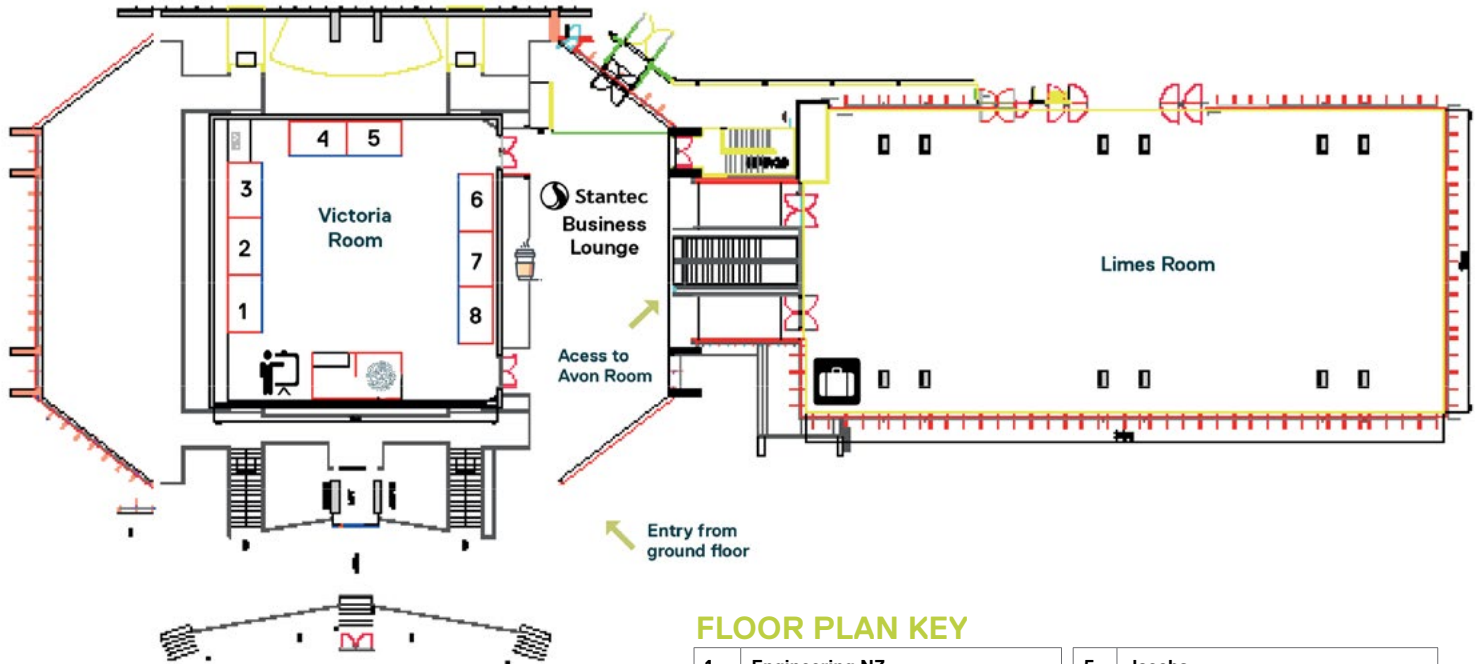
25% to 46%
in three to six years².







For more information visit www.3M.co.nz/roadsafety

1. For full details of the 3M Extended Warranty for Permanent signs, speak to your local 3M representative or visit www.3M.com.au/roadsafety
2. Ripley, D.A, Howard R, Green Company, ITE AB04H313, Quantifying the Safety Benefits of Traffic Control Devices—Benefit-Cost Analysis of Traffic Sign Upgrades, 2005 Mid-Continent Transportation Research Symposium Proceedings.

FLOOR PLAN



FLOOR PLAN KEY

1	Engineering NZ	5	Jacobs
2	Waka Kotahi / NZ Transport Agency	6	Align Ltd
3	Liftango Pty Ltd	7	3M
4	Matrix Traffic & Transport Data	8	Boffa Miskell
	Registration		Speaker Prep Area
	Stantec Coffee Cart		Luggage Storage

OUR SPONSORS



As a global leader in retro reflective technology, 3M is committed to delivering innovative safety solutions designed to maximise visibility and safety on the road, in the workplace and general community.

As part of this commitment, 3M New Zealand offers an Extended Warranty through our Approved Diamond Certified Manufacturers.

This warranty not only guarantees the durability and performance of our retro-reflective sheeting, it gives you peace of mind that you are delivering the highest level of road safety.



CONNECTING PEOPLE AND CREATING

We are landscape architects, urban designers, planners and property advisors. We operate nationwide working on \$100m capex plus to small community led projects. We specialise in providing design services, including urban and landscape frameworks and masterplans as well as planning and property strategies, consultation, consenting. We also undertake property acquisition, disposal and legalisation work. We understand all stages of the planning, design and construction phases of transportation projects and aim to deliver client services while connecting people and creating new spaces.



Boffa Miskell brings together multi-disciplinary teams to help our clients enhance the value and sustainability of our natural, built and social environment. They are award winning consultants in planning, landscape architecture, urban design, ecology, biosecurity, graphics, mapping and cultural advisory.

OUR SPONSORS



We're the engineers' professional body. Every day we support our 21,000+ members to be the best engineers they can be.

We're committed to growing your credibility, connections, recognition and influence. We offer our members access to a community of experienced and talented engineers across all levels. Our members are encouraged to share their expertise, insight and experiences from their life's work to help other members successfully chart their own career.

Membership with us gives you the ability to future-proof your career by creating and maintaining a vast network of contacts. We'll be there for you at every stage of your career to help you become the best engineer you can be. www.engineeringnz.org



The Australia and New Zealand section of the ITE has long sponsored the student prize to help promote and encourage new and innovative thinking in our industry. This helps fulfil ITE's mission of "shaping the future of the profession and transportation" by supporting the growth of its future leaders. The ITE is a future focused and truly global organisation that seeks to work with industry leaders to guide and shape transportation in a period of new ideas towards technology and the changing concept of personal transport. The students of today are the leaders of tomorrow and the ITEANZ is proud to pledge our ongoing support to the Student Award.

Jacobs

At Jacobs, we're challenging today to reinvent tomorrow by solving the world's most critical problems for thriving cities, resilient environments, mission-critical outcomes, operational advancement, scientific discovery and cutting-edge manufacturing, turning abstract ideas into realities that transform the world for good.

With \$13 billion in revenue and a talent force of approximately 52,000, Jacobs provides a full spectrum of professional services including consulting, technical, scientific and project delivery for the government and private sector. Visit jacobs.com and connect with Jacobs on Facebook, Instagram, LinkedIn and Twitter.

OUR SPONSORS



Liftango is a shared mobility startup helping to reduce congestion and emissions that plague our cities. We offer platform solutions, such as on-demand buses, vanpool, carpool and transport network simulation, that increase uptake in shared mobility. Our solutions are applied across public transportation, corporate transport and directly into new building developments. Companies are caring more about reducing their emissions, with an increase in ambitious sustainability strategies a growing global trend. Our corporate transport solutions help sustainably focused organisations like Qantas, Ikea reach their ambitious emission reduction goals sooner. Bus companies around the world are looking to reverse the declining number of passengers using the bus. Therefore we invented the bus to help cities increase passengers into their public transport system by providing a more convenient bus experience, bookable at the touch of a button. For Commercial property developers there is a recent trend away from building more parking spaces for single occupancy cars. Liftango offers our solutions directly to developers to leverage a scalable mobility solution instead of building expensive parking space.”



Matrix specialises in traffic surveys, research, data collections and information analysis within the traffic and transport field. The objective of Matrix is to provide quality traffic survey information and advice for the public, private and business sectors. Traffic surveys include pedestrian counts, speed surveys, parking surveys, intersection counters and automatic traffic counters.



SIDRA SOLUTIONS is dedicated to the transport profession worldwide for the benefit of the community through contributing to safe, environment-friendly and efficient traffic operations. We have created powerful traffic engineering software to help achieve better solutions to challenges in the areas of road traffic operations, traffic engineering, management and control.

OUR SPONSORS



Waka Kotahi NZ Transport Agency shapes, develops and manages New Zealand's national land transport system, in partnership with local government, to keep the country moving.

We recognise that a great transport system helps people to get the most out of life – it gets goods to market, connects communities and makes education, employment and other essential services accessible for everyone.

A successful multi-modal land transport system will contribute significant value to New Zealand and give people more choices about how they get around.

We're working with our co-investment partners to create a transport system that's safer, more accessible and keeps everyone better connected.

Communities are fundamental. Whether around the corner or across the globe, they provide a foundation, a sense of place and of belonging. That's why at Stantec, we always design with community in mind.



We care about the communities we serve—because they're our communities too. We're designers, engineers, planners, scientists, and project managers, innovating together at the intersection of community, creativity, and client relationships. Balancing these priorities results in projects that advance the quality of life in communities across the globe. You'll find us in 17 locations throughout New Zealand and a further 350 around the world. Visit [stantec.com](https://www.stantec.com)



WEDNESDAY 11 MARCH 2020

8:00am Registration desk opens; arrival tea and coffee

Room: Victoria Room

Plenary: Welcome to Transportation 2020

Room: Limes Room

9:00am Mihi Whakatau

9:15am **Greg Ellis, Conference MC**

Housekeeping

9:25am **Gemma Dioni, Conference Convenor & Nick Lovett, Canterbury Branch Chair**

Welcome

09:30 **Councillor Mike Davidson, Christchurch City Council**

Welcome to Christchurch

9:40am **Hon Julie Anne Genter, Associate Minister of Transport**

Ministerial update

10:00am **Dr Rhys Jones, University of Auckland**

Transport for human and planetary wellbeing

10:30am Morning break

Room: Victoria Room

Plenary

Room: Limes Room

11:00am **Tim Church, Boffa Miskell**

Introducing David Sim

Boffa Miskell



11:01am **David Sim, Gehl Architects, Denmark**

ON THE WAY: The Human Dimension in Urban Mobility

12:00pm **Kathryn King, NZ Transport Agency**

Innovating streets

WEDNESDAY 11 MARCH 2020

12:30pm Lunch

Room: Victoria Room

Concurrent session 1: Street Wars. A new hope.

Room: Limes Room

Chair: David Jones, Jacobs

Concurrent session 2: Sharing Mobility

Room: Avon Room

Chair: Andrew Macbeth, Greater Wellington Regional Council

1:30pm **Dr Shane Turner, Abley**
Managing downstream effects of the CNC

1:30pm **Dave Hilson, Auckland Transport**
Auckland's bus network, connecting remote communities

1:45pm **Greg Edwards & Bryce Carter, Beca**
Equity in engagement: A case study of the Brougham-Moorhouse area of Christchurch

1:45pm **Axel Wilke, ViaStrada**
Zone 0 – free buses in Central Christchurch

2:00pm **Liz Nicolls, Auckland Council**
Stephanie Spedding, Jacobs New Zealand Ltd
Making streets spaces for people

2:00pm **Danial Jahanshahi, University of Auckland**
Inequality in usage of bicycles: A literature review

2:15pm **Phil Harrison, WSP**
Connecting communities - A fresh approach

2:15pm **Craig Richards, Beca & Melissa Winters, Bay of Plenty Regional Council**
Fair fares for education equality

2:30pm **David Jones, Jacobs New Zealand Ltd**
Regenerating our streets

2:30pm **Madie Aghili & Fraser Barrons, Auckland Transport**
Equitable bus service capacity for schools

2:45pm **Questions & answers**

2:45pm **Questions & answers**

3:00pm Afternoon break

3:30pm AGM: Message from the Chair

Room: Limes Room

WEDNESDAY 11 MARCH 2020

Room: Limes Room		Room: Avon Room	
Chair: David Jones, Jacobs		Chair: Andrew Macbeth, Greater Wellington Regional Council	
4:00pm	Andrew McGill, Auckland Transport & Lucy Millier, Mott MacDonald A revised approach: movement and place	4:00pm	Peter Nunns, Wellington City Council Transport investment and housing development
4:15pm	Dr Hamish Mackie, Mackie Research Te Ara Mua Future Streets outcomes	4:15pm	Lewis Thorwaldson, MRCagney LOS-less planning: VKT for equitable outcomes
4:30pm	Sarah Wilson, New Plymouth District Council Neighbourhood led projects - streets for people	4:30pm	Emily Cambridge, Beca Redefining liveability in cycling heaven
4:40pm	Bridget Carden, Abley Corridor safety assessment framework for VRU	4:40pm	Claire Graham, MRCagney Improving equity through transit station access
4:50pm	Tracy Fleming, Abley Applying healthy streets audits	4:50pm	Elaine Chen, Beca Te Tupu Ngātahi design framework
5:00pm	Jeanette Ward, Abley Making raised intersections work for walking	5:00pm	Tim Church, Boffa Miskell Places for People: Transportation as an Enabler
5:15pm	Questions & answers	5:15pm	Questions & answers

6:00pm Jacobs Welcome function
to
8:00pm Castros Tapas & Bar
Enjoy light finger food and platters; along with a few drinks. There will be some fun entertainment.

Jacobs



Equity in Transportation

MANY THANKS TO OUR WONDERFUL SUPPORTERS

PLATINUM PLUS



PLATINUM



GOLD

Boffa Miskell



SILVER



AWARDS SPONSOR



EXHIBITORS



THURSDAY 12 MARCH 2020

8:00am Registration desk opens; arrival tea and coffee

Room: Victoria Room

Plenary

Room: Limes Room

8:30am **Fabian Marsh, NZ Transport Agency**

Driving ambitious road safety outcomes through system management, including Q & A

9:00am **Dr Bhagwant Persaud, Ryerson University, Canada**

Quantifying safety effects of infrastructure countermeasures, including Q & A

9:30am 3M Traffic Safety Innovation awards finalist presentations



9:30am **Michael Holderness, 3M**

Welcome from 3M

9:35am **Claire Davis, Auckland Design Office, Auckland Council**

Sale Street Tactical Urbanism Intervention

9:40am **Robyn Denton, Hamilton City Council**

Thomas Road/Gordonton Road Intersection Safety Improvements

9:45am **Sam Pasley, WSP**

Vision Zero Approach to a Collaborative Programme

9:50am **Pragati Vasisht, Auckland Transport**

Auckland Transport's Residential Speed Management (RSM) Programme

9:55am **Haris Zia, Abley Ltd**

Safer Journeys Risk Assessment Tool (Mega Maps)

10:00am Morning break

Room: Victoria Room

THURSDAY 12 MARCH 2020

Plenary

Room: Limes Room

10:30am **Bernadette Fatu & Rahera Elisaia-Hopa, Auckland Transport**
Te Ara Haepapa road safety programme

11:00am **Rochelle Hardy, NZ Transport Agency**
Arataki - a new perspective

11:10am **Sponsor presentation**
Iain MacDougall, Liftango
Providing transport equity for the whole community through technology



Rapid fire poster presentations

Room: Limes Room

11:25am **Neetha Maria Aji, University of Canterbury**
UC Transport

11:27am **Parichehr Dogani, University of Auckland**
Towards the electrification of road infrastructure

11:29am **Ann Fosberry, Aurecon**
Two-aspect roundabout traffic signal metering

11:31am **Patricio Gallardo, University of Canterbury**
A freight distribution exercise

11:33am **James Hine, Jacobs**
Weigh right programme - NZTA

11:35am **Tim Hughes, NZ Transport Agency**
Factors affecting cycling level of Service

11:37am **Ben Jassin, Abley**
NZ cycle network proximity analysis

11:39am **Karishma Kumar, Christchurch City Council**
Planning for the future

11:41am **Sahan Lalpe, Aurecon & Luke Murphy, CTOC**
How TMCs champion equity on networks

11:43am **Julia Lockhart, University of Auckland**
Autonomous shuttles - mobility as a service

11:45am **Shendi Mani, Abley**
High risk corridors: Pedestrian crossing prioritisation

11:47am **Daniel Newcombe, Auckland Transport**
Do models help in accessibility discussions?

THURSDAY 12 MARCH 2020

11:49am	Kyungrok Oh & Jason Lee, University of Canterbury Multi-modal traffic dynamics of Christchurch CBD	11:51am	Shifani Sood, WSP Towards mode neutral transport planning
11:53am	Rebekah Thorne, Mackie Research Community experiences of Future Streets	11:55am	Cong Tran, University of Canterbury Optimal charging locations for electric vehicles
11:57am	Twan Van Duivenbooden & Amir Kayal, Auckland Transport Achieving active mode equity through design	11:59am	Dr Doug Wilson, University of Auckland Environmental evaluation of RCC pavement leachate
12:01pm	Vanessa Wong, Stantec Meter installation - roundabout or straightforward?		
12:03pm	Poster Viewing		
12:30pm	Lunch		
Room:	Victoria Room		
1:30pm to 3:00pm	Walking tour Cultural Narrative within Streetscape Design	1:30pm to 3:00pm	Walking tour Transport & Placemaking
Meet:	Information desk	Meet:	Downstairs next to main entry front doors
1:30pm	Concurrent session 5: Soapbox	1:30pm	Concurrent session 6: Shaping Choices
Room:	Limes Room	Room:	Avon Room
Chair:	Axel Wilke, ViaStrada	Chair:	Stephen Carruthers, Abley
1:30pm	Paul Minett, Trip Convergence Ltd Buying decongestion: More equitable than tolls	1:30pm	Tim Hughes, NZ Transport Agency Accessibility equity matters - measure it.
1:37pm	Nick Lovett, Christchurch City Council A fairer way toward transport pricing?	1:40pm	Geoff Parr, Ministry of Transport & Dr Angela Curl, University of Otago Equity, social impact and transport policy

THURSDAY 12 MARCH 2020

1:44pm	Kathy Matete, Beca PPP innovation: learnings from pioneers	1:50pm	Shifani Sood, WSP On-demand shared mobility roadmap
1:51pm	Jeanette Ward, Abley Women in urbanism: Towards transport equity	2:00pm	Kirstie Thorpe, Stantec New Zealand Streets as places – A partnership
1:58pm	Madison Salter, Harrison Grierson I like cats but not cat calls	2:15pm	John Lieswyn, ViaStrada Ltd Gerry Dance, Waka Kotahi NZ Transport Agency Highlights from the International Walk21 Conference
2:05pm	Melanie Muirson, Stantec New Zealand Traffic management or people management?	2:25pm	Daniel Newcombe, Auckland Transport Global truths: learning from my holidays
2:12pm	Matt Allan, Abley Cycleway tactiles, what is best practice	2:40pm	Erik Zydervelt, Mevo Mevo: 2020 Equity in Transportation
2:19pm	Andrew Quigley, Stantec New Zealand Case Study - Dunedin Separated Cycle lanes		
2:26pm	James Hine, Jacobs Golden mile bus priority improvements		
2:33pm	Pathmanathan Brabaharan, WSP Resilience based design of transportation systems		
2:40pm	Michael Holderness, 3M Connected roads		
2:47pm	Questions & answers	2:50pm	Questions & answers
3:00pm	Afternoon break		

THURSDAY 12 MARCH 2020

Concurrent session 9: Safer Streets		Concurrent session 10: Smart Mobility	
Room:	Limes Room	Room:	Avon Room
Chair:	Melanie Muirson, Stantec NZ	Chair:	Grace Ryan, GHD
3:30pm	Dr Glen Koorey, ViaStrada Ltd Does speed greatly affect travel time?	3:30pm	Rachel Smith, Rachel Smith Pty Ltd Compelled to change. Why we're not
3:40pm	Charlotte French, GHD Speed management – practicality vs perception	3:45pm	Thomas McNaughton & Anne Heins, Christchurch City Council Shaping commute choices for vibrant cities
3:50pm	Haris Zia, Abley Safe speeds for all	4:00pm	Sue Philbin, TDM Specialist Traffic Planning Consultants Ltd New Zealand without travel demand management?
4:00pm	Irene Tse & Jasmine Lau, Auckland Transport Safety at intersections	4:15pm	Fiona Thomas, MRCagney Travel demand management: International insights
4:10pm	Andrew Liese, Stantec Conflict analysis with real-time video analytics	4:25pm	Elaine Chen, Beca Te Tupu Ngātahi design framework
4:25pm	Dr Shane Turner, Abley Safety of digital billboard installations	4:35pm	Sarah Downs, NZ Transport Agency Future of Dunedin transport
4:35pm	Kitty Jan, Auckland Transport Vision zero leadership and collaboration		
4:45pm	Questions & answers	4:45pm	Questions & answers
6:30pm	Shuttle pick up for those who can't walk from: Breakfree, Fino Hotel & Suites, Focus Motel & Executive Suites.		
7:00pm	3M Conference dinner on stage at the Isaac Theatre Royal - Roaring 20's. 3M Traffic Safety Innovation awards will be presented.		
10:30pm	Shuttle van commences for all hotels		
11:30pm	Last shuttle departs		



FRIDAY 13 MARCH 2020

8:00am Registration desk opens; arrival tea and coffee

Room: Victoria Room

Plenary

Room: Limes Room

8:30am **Prof. Susan Krumdieck, University of Canterbury**
Transition of the Upper North Island Freight Supply Chain

9:00am **Daniel Jenkins, DCA Design International via satellite**
Designing for Diversity and inclusive design

10:00am **Coby Duggan, Volvo**
Equity in Transportation: The Volvo Perspective

10:30am Morning break

Room: Victoria Room

11:00am Concurrent session 11: The Learning Cafe
Presentations will be repeated 4 times during the session to 4 different audiences at 11:05am; 11:25am; 11:50am; 12:10pm.

Room: Limes Room

Chair: Greg Ellis

1 **Zane Bray, Auckland University**
Refugees, cycling in Auckland

11:00am Concurrent session 12: Future Mobility,
Winning with walking & biking

Room: Avon Room

Chair: Nick Lovett, Christchurch City Council

11:00am **John Lieswyn, ViaStrada**
Palmerston North urban cycle network plan

2 Bill Frith, WSP & Michael Jackett, Jackett Consulting
Road lighting - Its night sky impact

11:15am **David Aldridge, Beca**
Delivering major cycleways

FRIDAY 13 MARCH 2020

3	Dr Bridget Burdett, MRCagney Disability sector engagement: Good practice guide	11:25am	Katherine Eveleigh, Aurecon; Shelley Perfect, WSP Ferry Road - Angst to contentment
4	Daniel Harney, Jacobs Engineering Group Costing mobility: Policy and planning toolkit		
5	Dr Angela Curl, University of Otago & Dr Helen Fitt, Lincoln University Equity implications of emerging transport modes	11:35am	Luke Christensen, MRCagney Prioritisation of bike and ride sites
6	Shifani Sood, WSP Resort town travel demand management	11:50am	Ivy Hao, Auckland Transport Behaviour of shared user path users
7	Ben Frost, Beca What does real choice look like?	12:05pm	Ajjima Soathong, University of Auckland Pedestrian route choice at road crossings
8	Ina Stenzel & Brian Wolfman, Auckland Transport Carrington Road paired crossing	12:20pm	Questions & answers
12:30pm	Lunch		
Room:	Victoria Room		
	Plenary		
Room:	Limes Room		
1:30pm	Prof. Shanthi Ameratunga, University of Auckland Inclusive transport leaves no one behind		
2:00pm	Darral Campbell, Dementia Canterbury & Dr Susan Gee, Canterbury DHB A new journey: Dementia friendly transport		
2:30pm	Jezza Williams, Makingtrax Christchurch Inclusion in Travel		

FRIDAY 13 MARCH 2020

3:00pm **Greg Ellis, Conference MC**

Awards & conference close

Gemma Dioni, Conference Convenor

Best abstract



Andrew Prosser, Jacobs

Best young author



John Lieswyn, ITEANZ

Best student



Jeanette Ward, Transportation Group Chairperson

Best Thinkpiece Paper

Best Practice Paper

Best Research Paper



NZ Automobile Association

AA Award Best Conference Paper



Jeanette Ward, Transportation Group Chairperson

Transportation Group NZ Research award 2020

Transportation Group NZ Tertiary Study Grant 2020

Best contributor to Roundabout



Gemma Dioni, Conference Convenor

People's Choice Awards



3:30pm

Close of conference

GREG ELLIS, CONFERENCE MC

Wednesday, 11 March, 9:15am – 9:25am



Greg graduated from Victoria University in 1992 with a BA in Theatre and Film. During 1993 Greg trained as a Primary School Teacher and in 1994 graduated with a Diploma in Secondary teaching from Christchurch College of Education. Greg has taught in secondary schools in New Zealand and England. He has taught comedy and improvisation throughout the country for 17 years at secondary and tertiary levels. He has held the Secondary Schools, University, National and Commonwealth Theatresports titles. He has represented New Zealand at Theatresports twice - firstly as part of a Commonwealth competition in 1992 and then at the World Championships in 2006.

Greg has appeared in movies, television and radio drama and comedy. His years of experience and understanding interaction with an audience makes him ideally suited for his continuing work on numerous television studio shows. Greg looks forward to MCing the conference for the 11th year.

Housekeeping

GEMMA DIONI, CONFERENCE CONVENOR & NICK LOVETT, CHAIR TRANSPORTATION GROUP CANTERBURY / WEST COAST BRANCH

Wednesday, 11 March, 9:25am – 9:30am

Gemma is conference convenor for Transportation 2020. She was at Christchurch City Council from 2009 to 2017 prior to joining ViaStrada. With a Degree in Planning and Property Development and a Masters in Transportation Engineering, Design and Management both from Nottingham Trent University, she has a key interest in ensuring communities have access to transport choice, with a passion for good streetscape and public realm design to support placemaking. She specialises in traffic engineering, in addition to planning and designing for active modes and public transport movements.



Her design experience includes all forms of streetscape and intersection design including roundabouts and traffic signals for intersection upgrades and safety improvements. Gemma has contributed to the development and design of many transport projects in Christchurch City, particularly those that focus on walking, cycling, public transport and safety through significant programmes such as An Accessible City, Major Cycleways and the Public Transport Improvements for Riccarton Road and Main North Road. She is a qualified Road Safety Auditor and a Site Traffic Management Supervisor (STMS). She is active in the Engineering NZ Transportation Group and a member of the Urban Design Forum.

Nick is Chair of the Canterbury/West Cost Branch of Transportation Group New Zealand for 2019 and has a background in transport design, analysis and policy development. He has been following transportation trends technologies and business models for several years and led the work to develop a regulatory framework for micromobility in Christchurch. With a keen interest in transport land use interactions, he is interested in how different transport pricing pathways could have impacts on mobility, equity and urban form.



Welcome

COUNCILLOR MIKE DAVIDSON, CHRISTCHURCH CITY COUNCIL

Wednesday, 11 March, 9:30am – 9:40am



Mike is a second term Councillor and represents the Papanui ward, which includes the suburbs of Papanui, Redwood, Northcote and parts of St Albans, Casebrook and Bryndwr. Mike is the Chair of the Urban Development and Transport Committee of the Whole and a Director of ChristchurchNZ. He sits on the Greater Christchurch Partnership, Greater Christchurch Public Transport Joint Committee and the Regional Transport Committee.

Mike's key areas of interest are sustainable transport, stronger and engaged communities, sport and recreation and the natural environment. He is committed to making mitigation and adaptation of climate change a priority. Mike has qualifications in Insurance and Environmental Management. It was his work in the insurance sector during the Canterbury Earthquake Sequence that strengthened his view on the importance of community and led him to stand for the Community Board in 2013. He was the chairperson of Shirley-Papanui Community Board from 2013 to 2016.

Welcome to Christchurch



HON JULIE ANNE GENTER, ASSOCIATE MINISTER OF TRANSPORT

Wednesday, 11 March, 9:40am – 10:00am



Julie Anne became an active volunteer with the Green Party soon after arriving in New Zealand in 2006. It was obvious to her that the Greens shared her vision for creating a fairer society that put people and the environment first. Growing up in Los Angeles, Julie Anne saw how transport and urban design impacted the environment and influenced the lives of people within the city, from their health to their ability to access education. Witnessing how neo-liberal policies had led to horrific inequality, combined with a long history of structural racism, created a drive to change things for the better.

From a very young age she engaged in activism for peace, cannabis law reform, marriage equality, environmental protection and ending the excessive influence of large corporates on government policy. At University she lived in a student-owned housing cooperative, which was her first experience of consensus-driven, community-based democracy. Julie Anne has been a strong advocate for building towns and cities that put people at their heart, support strong healthy communities and enhance our natural environment.

As a Green MP Julie Anne has been a spokesperson on a broad range of issues, including climate change, transport, health, finance, housing and women. She has helped shape public debate on transport, medicinal marijuana, gender equality, and mental health. Prior to becoming a member of Parliament, Julie Anne was a volunteer and adviser in the Party. She also worked as a transport and planning consultant for some of New Zealand's leading firms. She graduated from UC Berkeley with a BA, taught English and studied political theory and economics in France, before moving to New Zealand.

Ministerial Update



DR RHYS JONES, UNIVERSITY OF AUCKLAND

Wednesday, 11 March, 10:00am – 10:30am



Dr Rhys Jones (Ngāti Kahungunu) is a Public Health Physician and Senior Lecturer in Māori Health at the University of Auckland. His research addresses Indigenous health and health equity with a particular focus on environmental influences on Māori Health and Wellbeing. He is a passionate advocate for action on the social determinants of health, equity and indigenous rights. Rhys was the founding Co-Convenor of OraTaiao: The New Zealand Climate and Health Council, a health professional organisation focusing on the health challenges of climate change and the health opportunities of climate action. His research and advocacy has a strong emphasis on transport systems, examining ways in which transport policies and actions can contribute to meeting climate, health and equity goals.

Transport for human and planetary wellbeing

Transport systems influence our health and wellbeing in a variety of ways. They distribute access to the social determinants of health, such as education, employment, income, housing and health care. They also influence exposures to a range of health-related factors, both beneficial (e.g. physical activity and social connection) and harmful (e.g. air pollution and physical hazards). In addition, transport plays a significant role in planetary wellbeing, for example in Aotearoa New Zealand contributing approximately 20% of total greenhouse gas emissions.

Transport systems that currently predominate in countries like Aotearoa are overwhelmingly harmful – socially, economically, environmentally, and in relation to health and wellbeing. They also contribute to unacceptable and growing social and health inequities. In a time of climate crisis, which represents the greatest threat to human health this century, our transport systems are clearly unfit for purpose. The climate crisis requires immediate, transformative global action on an unprecedented scale. Anything resembling business-as-usual is not an option. And yet our leaders' visions for the future tend to be simply a greener version of the status quo.

In this presentation I argue that we need to fundamentally rethink and redesign our transport systems. That doesn't mean incremental adjustments within existing parameters – it means a radical transformation grounded in a different set of norms, values and principles. It means engaging in a process of decolonisation and re-indigenisation to create transport systems that support human and planetary wellbeing. There are important steps that we must take, privileging Indigenous knowledges and upholding Indigenous rights, in order to achieve health, equity and sustainable development.

DAVID SIM, GEHL ARCHITECTS, DENMARK

Wednesday, 11 March, 11:00am – 12:00pm



David Sim is Creative Director at Gehl. For more than ten years David has been focusing on Masterplanning Frameworks and urban design, collaborating with other professionals in the planning and building process, applying Jan Gehl's theories to large-scale projects. David is also renowned as an inspiring educator and lecturer and has taught at architecture and design schools all over the world.

Architect David Sim is partner and creative director at Gehl, where he has worked for more than 15 years. He has developed citizen-engagement tools and a people-first approach to planning and flexible frameworks for development. David is an accomplished educator, teaching all over the world. He spent seven years at Lund University reforming architectural education towards a more holistic approach.

He has worked on numerous plans from transit areas in Tokyo to an urban planning framework for city recovery in Christchurch, New Zealand after the 2011 earthquake, and is currently working on a masterplan for St Saveur, a new part of Lille in France.

His book "Soft City – Building Density for Everyday Life", published in August 2019, is already in its third printing and is currently being translated to several other languages.

ON THE WAY: The Human Dimension in Urban Mobility

It's more than just about getting from A to B, it's about how a whole spectrum of everyday movements, starting right outside the front door. It can better connect people to planet, people to place and people to people. Living locally can be a good starting point for sustainable mobility, and from that we can maybe think about neighbourhood-orientated transit rather than transit-orientated development.

Boffa Miskell



Starting with Jan Gehl's theories of experience and behavior, David explores the human dimension of mobility, and how the range of mobility options including walking, cycling and public transport, makes for an eco-system of opportunity, allowing people to access the assets of their home towns and cities. With examples from Copenhagen and other places, David will show that many of the solutions to urban movement surprisingly simple, and that a soft solutions, might also be better than so-called smart ones.



Boffa Miskell



www.boffamiskell.co.nz

Landscape Architecture | Planning | Ecology | Urban Design
Landscape Planning | Biosecurity | Cultural Advisory

KATHRYN KING, NZ TRANSPORT AGENCY

Wednesday, 11 March, 12:00pm – 12:30pm



Kathryn King manages the Urban Mobility Programme at the NZ Transport Agency. She joined the Agency following four years with Auckland Transport where she transformed the cycling programme and oversaw approval for the city's largest ever investment in cycling. Kathryn spent over ten years in London, managing walking, cycling and safety projects, over eight of them with the Royal Borough of Kensington and Chelsea.

Innovating streets

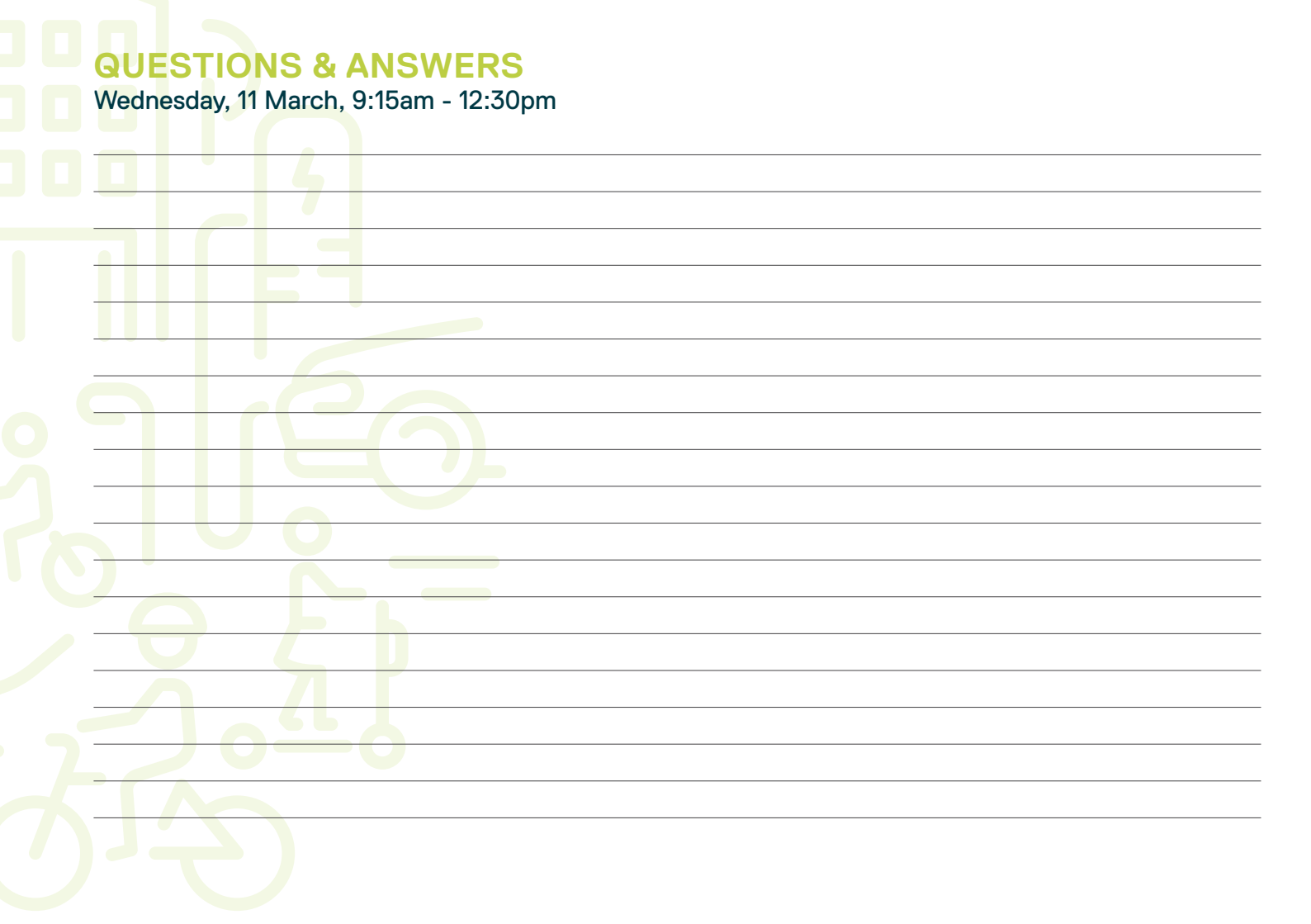
Cities around the world are choosing to transform their streets to be safer, more liveable spaces through temporary techniques and tactical changes. There are countless cities that have made significant change possible through the employment of small scale, low cost interventions. Many cities are using events and activations to get people thinking about their streets and how else they can be configured. Now New Zealand cities are starting to utilise these techniques, many of them supported by the Transport Agency's Innovating Streets programme. The approach utilises best practice evaluation and engagement techniques and data is starting to indicate that transitional design can be more inclusive as a design approach and lead to more equitable spaces. This presentation will present evidence of where transitional design is building safer, and more accessible streets, and as a result more trusting and happier communities.

The presentation will summarise international case studies, as well as experience from recently delivered projects in Auckland, New Plymouth, Palmerston North, Dunedin and Wellington. The presentation will make the case for incorporating innovating streets into business as usual as we retrofit streets across the country.



QUESTIONS & ANSWERS

Wednesday, 11 March, 9:15am - 12:30pm



A series of horizontal lines for writing, spanning the width of the page below the header.

CONCURRENT SESSION

STREET WARS. A NEW HOPE

Wednesday, 11 March, 1:30pm – 3:00pm

Room: Limes Room

Session chair: David Jones, Jacobs

 denotes paper produced

Jacobs

1:30pm Dr Shane Turner, Abley
Managing downstream effects of the CNC

1:45pm Greg Edwards & Bryce Carter, Beca
Equity in engagement: A case study of the Brougham-Moorhouse area of Christchurch

2:00pm Liz Nicolls, Auckland Council
Stephanie Spedding, Jacobs New Zealand Ltd
Making streets spaces for people

2:15pm Phil Harrison, WSP
Connecting communities - A fresh approach

2:30pm David Jones, Jacobs New Zealand Ltd
Regenerating our streets



QUESTIONS & ANSWERS

Wednesday, 11 March, 1:30pm – 3:00pm



CONCURRENT SESSION

SHARING MOBILITY

Wednesday, 11 March, 1:30pm – 3:00pm

Room: Limes Room

Session chair: **Andrew Macbeth, Greater Wellington Regional Council**



denotes paper produced

1:30pm **Dave Hilson, Auckland Transport**
Auckland's bus network, connecting remote communities



1:45pm **Axel Wilke, ViaStrada**
Zone 0 – free buses in Central Christchurch



2:00pm **Danial Jahanshahi, University of Auckland**
Inequality in usage of bicycles: A literature review



2:15pm **Craig Richards, Beca**
Melissa Winters, Bay of Plenty Regional Council
Fair fares for education equality

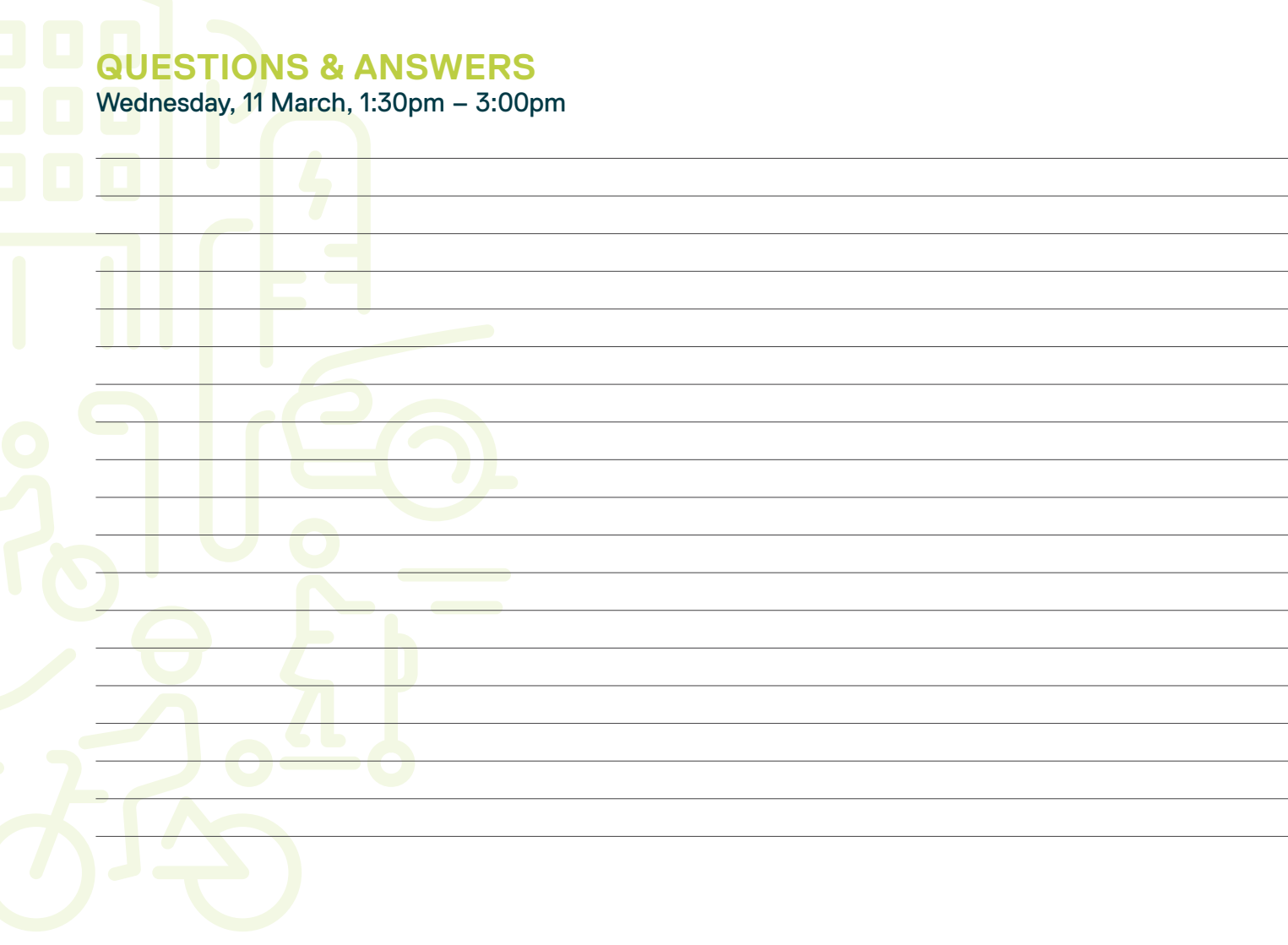


2:30pm **Madie Aghili & Fraser Barrons, Auckland Transport**
Equitable bus service capacity for schools



QUESTIONS & ANSWERS

Wednesday, 11 March, 1:30pm – 3:00pm



CONCURRENT SESSION

STREETS FOR PEOPLE

Wednesday, 11 March, 4:00pm – 5:30pm

Room: Limes Room

Session chair: **Dr Glen Koorey, ViaStrada**



denotes paper
produced

4:00pm Andrew McGill, Auckland Transport
Lucy Millier, Mott MacDonald
A revised approach: movement and place



4:15pm Dr Hamish Mackie, Mackie Research
Te Ara Mua Future Streets outcomes



4:30pm Sarah Wilson, New Plymouth District Council
Neighbourhood led projects - streets for people



4:40pm Bridget Carden, Abley
Corridor safety assessment framework for VRU



4:50pm Tracy Fleming, Abley
Applying healthy streets audits




5:00pm Jeanette Ward, Abley
Making raised intersections work for walking



QUESTIONS & ANSWERS

Wednesday, 11 March, 4:00pm – 5:30pm



A series of horizontal lines for writing, overlaid on a background of faint green icons representing various accessibility features: a circuit board, a wheelchair, a person on a bicycle, and a person using a white cane.

CONCURRENT SESSION

PLACES FOR PEOPLE

Wednesday, 11 March, 4:00pm – 5:30pm

Room: Avon Room

Session chair: Tim Church, Boffa Miskell

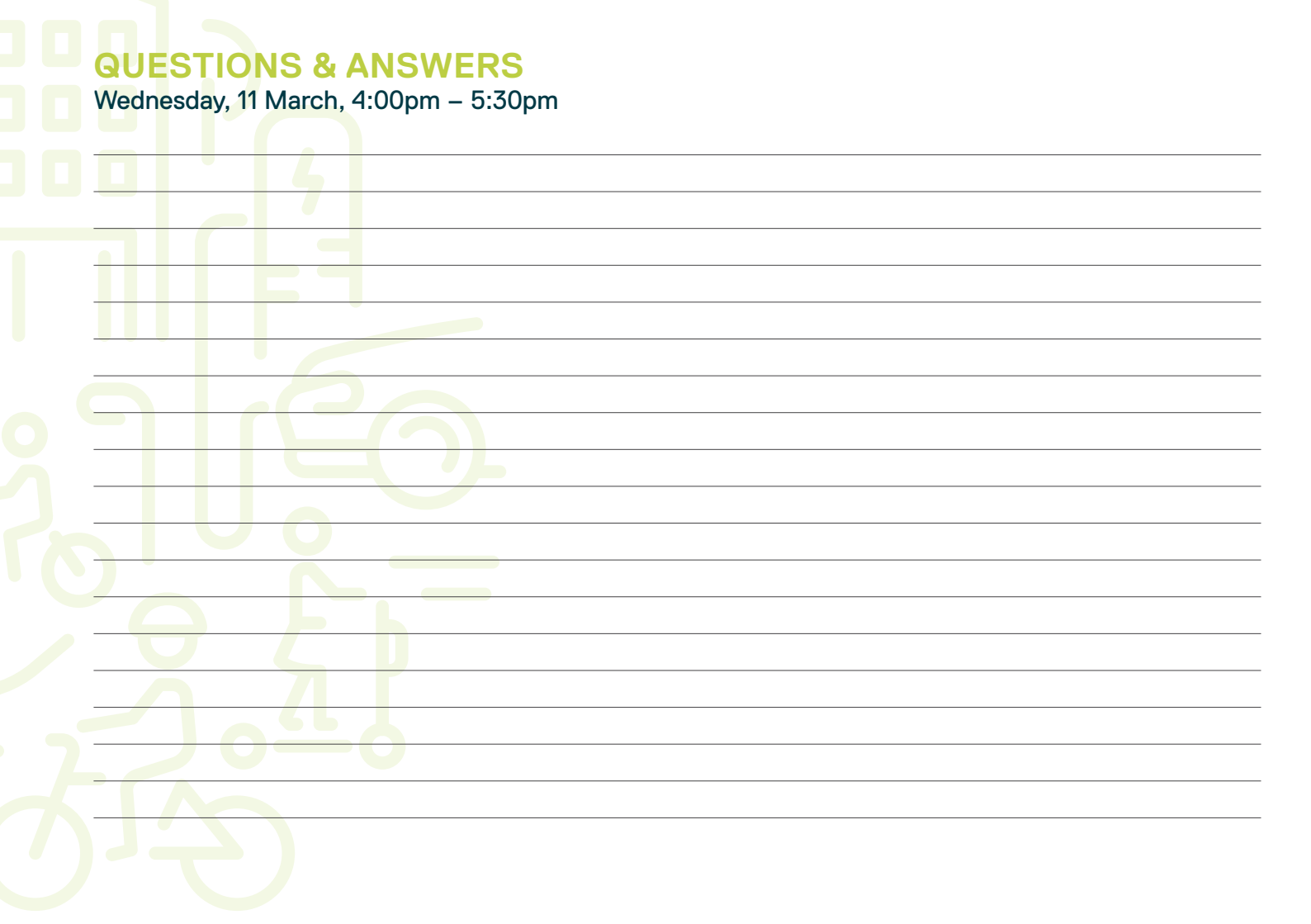
 denotes paper produced

4:00pm	Peter Nunns, Wellington City Council Transport investment and housing development
4:15pm	Lewis Thorwaldson, MRCagney LOS-less planning: VKT for equitable outcomes
4:30pm	Emily Cambridge, Beca Redefining liveability in cycling heaven
4:45pm	Claire Graham, MRCagney Improving equity through transit station access
4:55pm	Elaine Chen, Beca Te Tupu Ngātahi design framework
5:05pm	Tim Church, Boffa Miskell Urban Design Forum



QUESTIONS & ANSWERS

Wednesday, 11 March, 4:00pm – 5:30pm





LET'S DO AMAZING THINGS TOGETHER.

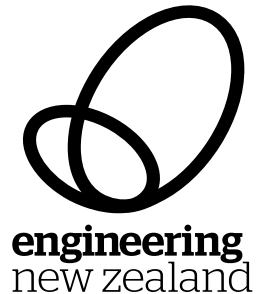
We're engineers' professional body. Every day we support our 21,000+ members to be the best engineers they can be.

We're committed to growing your credibility, connections, recognition and influence. We offer our members access to a community of experienced and talented engineers across all levels. Our members are encouraged to share their expertise, insight and experiences from their life's work to help other members successfully chart their own career.

Membership with us gives you the ability to future-proof your career by creating and maintaining a vast network of contacts.

We'll be there for you at every stage of your career to help you become the best engineer you can be.

www.engineeringnz.org



FABIAN MARSH, NZ TRANSPORT AGENCY

Thursday, 12 March, 8:30am – 9:00am



Fabian is Senior Manager Road Safety for the NZ Transport Agency. In this role, Fabian is responsible for leading and influencing a step change in New Zealand's road safety performance. This includes driving an increased understanding and implementation of the Safe System approach and establishing a clear strategic direction for the Agency's road safety function. In previous roles, Fabian has helped lead and shape new national road safety strategy and policy development, implementation of national road safety programmes and research on new initiatives to improve road safety performance in New Zealand.

Fabian has international experience in developing and implementing Safe System strategic programmes, particularly in the roads and roadsides area. Fabian previously worked as Road Safety Advisor at the Public Works Authority in Qatar, working with key government agencies to develop Qatar's National Road Safety Strategy and providing advice on the implementation and monitoring of key road safety initiatives. Fabian has previously worked in New Zealand as the National Traffic & Safety Manager at the NZ Transport Agency. He has also worked in various road safety and forensic crash investigation roles at companies including the Australian Road Research Board (ARRB) and the UK Transport Research Laboratory (TRL). Fabian has written numerous published technical papers and presented internationally on road safety and forensic crash investigation and is an experienced practitioner on the Safe System approach to road safety.

Driving ambitious road safety outcomes through system management

Road safety must be recognised and managed as a key public health issue if we are to achieve ambitious road safety outcomes. Leadership, coordination, engagement, and accountability are all critical elements. The best performing nations, in terms of serious road trauma reductions, typically adopt formal strategies based on data-driven problem identification that outline evidence-based countermeasures and are supported by ambitious, quantitative targets and transparent lines of institutional accountability. These are all key components of effective system management. The presentation starts by comparing management approaches applied to road safety with those of other public health issues. This is followed by a discussion on the key elements of system management and strategies for managing better road safety results.

DR BHAGWANT PERSAUD, RYERSON UNIVERSITY, CANADA

Thursday, 12 March, 9:00am – 9:30am



Bhagwant Persaud, a professor of Civil Engineering at Ryerson University, has become well recognized, in Canada, the United States, and around the world, as an expert in the area of statistical methods in highway safety analysis. He is particularly well known for his work in modeling the relationship between safety and highway characteristics, and in the development and application of these models in Bayesian methods for road network screening and conducting before-after safety evaluation studies. This background led to his selection to write NCHRP Synthesis 295: “Statistical Methods in Highway Safety Analysis”, a widely read document that provides factual knowledge on the state of research and practice in safety analysis tools. Dr. Persaud has been, and is currently involved in several safety related research projects for the Transportation Research Board (TRB), the US Federal Highway Administration (FHWA), Transport Canada, the Transportation Association of Canada, the Insurance Institute for Highway Safety (IIHS), as well as several DOTs and municipalities. He has authored or co-authored a substantial number of conference and peer-reviewed papers, three of which won awards for the Transportation Research Board’s Annual Meeting outstanding paper in the field of operation, safety and maintenance of transportation facilities. Dr. Persaud’s expertise in highway safety area is supported by, and has led to TRB committee appointments as a member of ABJ80 (“Statistical Methods”), and as co-chair, and now Emeritus Member of ANB20 (“Safety Data, Analysis and Evaluation”). He was also a member of a TRB Task Force (ANB25T): Development of a Highway Safety Manual and has been involved in research projects for several chapters of this Manual. He is a member of the Transportation Association of Canada’s Standing Committee on Road Safety.

Quantifying safety effects of infrastructure countermeasures

The presentation starts by making the case for developing and applying credible knowledge for planning infrastructure safety interventions. This is followed by a discussion on the challenges to obtaining that knowledge with emphasis on key data and methodological issues. The presentation then focuses on road user behavioural adaptation, with examples of evidence that suggests that road users in general, and drivers, in particular, adapt to safety treatments. Although in some cases, the adaptation may result on a positive safety effect, in most cases the consequences can be negative due to increased risk taking behavior such as speeding, aggressiveness, or inattention. This adaptation needs to be considered in making cost-effective infrastructure investment decisions. Also discussed are possible mitigation measures in the case of negative consequences, and reinforcement opportunities in the case of positive adaptation.

3M TRAFFIC SAFETY INNOVATION AWARDS FINALIST PRESENTATIONS

Thursday, 12 March, 9:30am – 10:00am

- | | |
|--------|--|
| 9:30am | Michael Holderness, 3M
Welcome from 3M |
| 9:35am | Claire Davis, Design Office, Auckland Council
Sale Street Tactical urbanism intervention |
| 9:40am | Robyn Denton, Hamilton City Council
Thomas Road/Gordonton Road Intersection safety improvements |
| 9:45am | Sam Pasley, WSP
Vision Zero Approach to a collaborative programme |
| 9:50am | Pragati Vasisht, Auckland Transport
Auckland Transport's Residential Speed Management (RSM) Programme |
| 9:55am | Haris Zia, Abley Ltd
Safer Journeys Risk Assessment Tool (Mega Maps) |



3M

BERNADETTE FATU & RAHERA ELISAIA-HOPA, AUCKLAND TRANSPORT

Thursday, 12 March, 10:30am – 11:00am



Bernadette (Bernie) Fatu, is team leader in the Travelwise Schools Programme at Auckland Transport. Bernie enjoys working with people and challenging norms of behaviour to look for new solutions to improve the future of school travel in Auckland. She has worked in the field of injury prevention and behaviour change, in road safety and active transport since 2006 and fully supports Auckland Transport's adoption of "Vision Zero". Bernie is mother to three primary aged boys – who cycle, scoot or walk to school.

Rachel Elisaia-Hopa, Team leader Te Ara Haepapa. Rachel leads "Te Ara Haepapa" (The Treaty Partnership Road Safety Programme) at Auckland Transport.

Rachel is passionate about working with people and aspires to work with and alongside whanau to prioritise what is important to them and facilitate collaboration with key stakeholders to action and effect change together. She is an active advocate and believer in Auckland Transport's adoption of "Vision Zero". Rachel and her team engage with whanau at all levels - Kohanga Reo, Kura Kaupapa Māori, Māori Community Groups, Marae, Hapū, Iwi, Manawhenua and Mataawaka to develop, deliver and support programmes that enhance road safety outcomes for Maori. Raheera is affiliated through whanau ties to Samoa, Tainui, Ngati Tuwharetoa and Ngapuhi. She is a mother to six children- four boys and two girls (age range from 29 to 16) and two mokopuna aged 8 and 11.

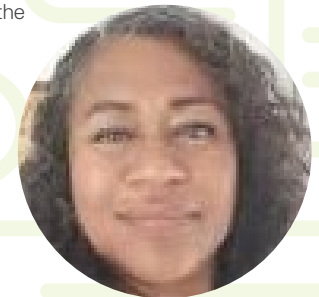
Te Ara Haepapa road safety programme

Te Ara Haepapa (The Journey) was developed in 2017 to address the high proportion of Maori involved in deaths and serious injury road crashes in Tamaki Makaurau, Aotearoa. It is a comprehensive Maori road safety programme in Aotearoa delivered via Marae (community meeting places), Kura (schools), Kohanga (pre-school) and community. The programme is delivered within a holistic Maori cultural context by a team of 6 fluent Te Reo speaking staff and covers a wide range of high-risk road safety prevention themes, including child restraint and seat belt use, alcohol and drugged driving, speed and driver licensing. This presentation highlights the cultural approach used to successfully engage the uptake of formal driver licensing amongst hard-to-reach at-risk young Maori drivers in Tamaki Makaurau since 2017.

The Kaihautū (Driver) programme delivers driver licensing workshops which include educational road safety behaviours and the New Zealand road code to Rangatahi (young adult) Maori aged between 16-24 years and their whanau. The measures of success included:

- Increased Rangatahi Maori driver license participation
- Increased Rangatahi Maori driver license pass-rates
- Reduced road deaths and serious injuries among Rangatahi Maori drivers in Tamaki Makaurau

The programme also creates a longer-term sustainable community and whanau (extended family) commitment through Kaiwhakahaere Raihana konga (Train the Trainer) development. This training provides for community leaders and whanau to train as driver licensing Trainers and continue the programme within their rohe (tribal boundaries). The Kaihautū programme also works alongside Government partners such as NZ Police, who are culturally supportive. The assistance from NZ Police opens a new and valuable perspective for Rangatahi Maori by providing positive interactions with authority.



ROCHELLE HARDY, NZ TRANSPORT AGENCY

Thursday, 12 March, 11:00am – 11:10am



Rochelle Hardy recently joined NZTA as a principal adviser. In her current role she provides strategic, integrated solutions to tackle the big issues facing NZ's land transport system. She brings extensive experience from the private sector and life in the regenerating city of Christchurch.

Arataki - a new perspective

Arataki is the NZ Transport Agency's 10-year view of what is needed to deliver on the government's current priorities and long-term objectives for the land transport system. It provides transparency about the Agency national and regional trends and issues, and about how we want to work with you to shape the best land transport system for New Zealand. Like any good plan, Arataki will evolve over time to reflect changing priorities and new information. This first version is a first step towards developing a richer, shared understanding with partners of what the land transport system needs and how to collaborate to meet those needs together.

The Government Policy Statement on Land Transport (GPS) continues to provide the strategic direction for the National Land Transport Programme (NLTP). The role of Arataki is to help us meet today's priorities in a way that is informed by the objectives and needs of the system over the longer term.

Arataki is a significant change in approach. It takes a broad and more strategic view of the needs of the whole land transport system and looks at all the levers, including investment, planning and regulation that are available to the Transport Agency to achieve the government's long-term outcomes. Arataki is strategy-led rather than project-led, is evidence-based and provides a view across the whole land transport system.

Arataki represents a collaborative approach. It will inform actions through a wide range of plans and policies led by the Transport Agency and our partners to tackle the big issues facing our land transport system and the those that rely on it.

IAIN MACDOUGALL, LIFTANGO

Thursday, 12 March, 11:10am – 11:25am



Iain MacDougall is highly experienced in using technology to improve the way we live, learn, develop and commute. After building one of the fastest-growing eLearning platforms in the region, Iain has taken his skill and experience and applied it to improving the commuting experiences and habits of people around the world as part of Liftango. Iain is a specialist in how organisations, regions and countries can use technology to improve the transport and commuting habits of its people.

Providing transport equity for the whole community through technology

Liftango was founded on the core belief that shared mobility will play a vital role in the liveability and accessibility of our built environment. By creating trusted technology to improve our connection to transport, we provide the framework for equitable and sustainable travel and as a result, inspire positive change in the daily travel and commuting options for all people.



QUESTIONS & ANSWERS

Thursday, 12 March, 8:30am – 11:25am



PLENARY: POSTER - RAPID FIRE PRESENTATIONS

Thursday, 12 March, 11:25am – 12:30pm

 denotes paper produced

11:25am **Neetha Maria Aji, University of Canterbury**
UC Transport



11:27am **Parichehr Dogani, University of Auckland**
Towards the electrification of road infrastructure



11:29am **Ann Fosberry, Aurecon**
Two-aspect roundabout traffic signal metering



11:31am **Patricio Gallardo, University of Canterbury**
A freight distribution exercise



11:33am **James Hine, Jacobs**
Weigh right programme – NZTA



11:35am **Tim Hughes, NZ Transport Agency**
Factors affecting cycling level of Service



11:37am **Ben Jassin, Abley**
NZ cycle network proximity analysis



11:39am **Karishma Kumar, Christchurch City Council**
Planning for the future



11:41am **Sahan Lalpe, Aurecon & Luke Murphy, CTOC**
How TMCs champion equity on networks



PLENARY: POSTER - RAPID FIRE PRESENTATIONS

Thursday, 12 March, 11:25am – 12:30pm

11:43am **Julia Lockhart, Mott Macdonald**
Autonomous shuttles - mobility as a service

11:45am **Shendi Mani, Abley**
High risk corridors: Pedestrian crossing prioritisation

11:47am **Daniel Newcombe, Auckland Transport**
Do models help in accessibility discussions

11:49am **Kyungrok Oh & Jason Lee, University of Canterbury**
Multi-modal traffic dynamics of Christchurch CBD

11:51am **Shifani Sood, WSP**
Towards mode neutral transport planning

11:53am **Rebekah Thorne, Mackie Research**
Community experiences of Future Streets

11:55am **Cong Tran, University of Canterbury**
Optimal charging locations for electric vehicles

11:57am **Twan Van Duivenbooden & Amir Kayal, Auckland Transport**
Achieving active mode equity through design

11:59am **Dr Doug Wilson, University of Auckland**
Environmental evaluation of RCC pavement leachate

12:01pm **Vanessa Wong, Stantec**
Meter installation - roundabout or straightforward?



PLENARY: POSTER – POSTER VIEWING AND DISCUSSION

Thursday, 12 March, 12:03pm – 12:30pm



PLENARY: POSTER – POSTER VIEWING AND DISCUSSION

Thursday, 12 March, 12:03pm – 12:30pm



A series of horizontal lines for writing, spanning the width of the page below the header.

CONCURRENT SESSION

SOAPBOX

Thursday, 12 March, 1:30pm – 3:00pm

Room: Limes Room

Session chair: **Axel Wilke, ViaStrada**



denotes paper produced

1:30pm Paul Minett, Trip Convergence Ltd
Buying decongestion: More equitable than tolls

1:37pm Nick Lovett, Christchurch City Council
A fairer way toward transport pricing?

1:44pm Kathy Matete, Beca
PPP innovation: learnings from pioneers

1:51pm Jeanette Ward, Abley
Women in urbanism: Towards transport equity

1:58pm Madison Salter, Harrison Grierson
I like cats but not cat calls

2:05pm Melanie Muirson, Stantec NZ
Traffic management or people management?

2:12pm Matt Allan, Abley
Cycleway tactiles, what is best practice

2:19pm Andrew Quigley, Stantec New Zealand
Case Study - Dunedin Separated Cycle lanes



CONCURRENT SESSION

SOAPBOX

Thursday, 12 March, 1:30pm – 3:00pm

Room: Limes Room

Session chair: Axel Wilke, ViaStrada

 denotes paper produced

2:26pm James Hine, Jacobs
Golden mile bus priority improvements

2:33pm **Pathmanathan Brabhakaran, WSP**
Resilience based design of transportation systems

2:40pm **Michael Holderness, 3M**
Connected roads



QUESTIONS & ANSWERS

Thursday, 12 March, 1:30pm – 3:00pm



MATRIX

Traffic and Transport Data

Matrix specialises in traffic surveys, research, data collections and information analysis within the traffic and transport field.

Pedestrian counts

Speed surveys

Parking surveys

Intersection counts

Automatic traffic counters

NEW ZEALAND

www.matrix888.com

CONCURRENT SESSION

SHAPING CHOICES







Thursday, 12 March, 1:30pm – 3:00pm

Room: Avon Room

Session chair: **Stephen Carruthers, Abley**

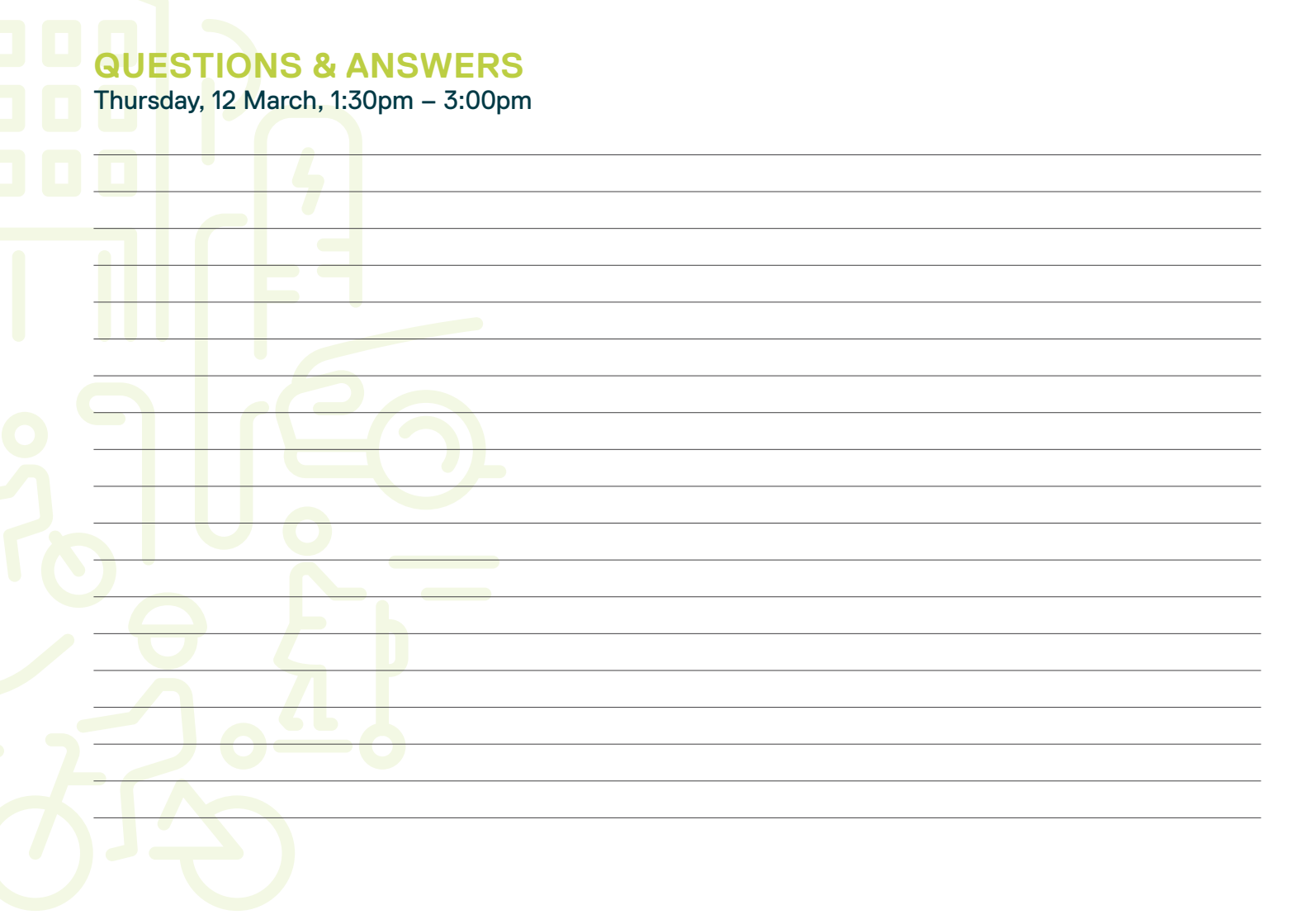


denotes paper produced

1:30pm	Tim Hughes, NZ Transport Agency Accessibility equity matters - measure it.		
1:40pm	Geoff Parr, Ministry of Transport & Dr Angela Curl, University of Otago Equity, social impact and transport policy		 
1:50pm	Shifani Sood, WSP On-demand shared mobility roadmap		
2:00pm	Kirstie Thorpe, Stantec New Zealand Streets as places – a partnership		
2:15pm	John Lieswyn, ViaStrada Ltd Gerry Dance, Waka Kotahi NZ Transport Agency Highlights from the International Walk21 Conference		 
2:25pm	Daniel Newcombe, Auckland Transport Global truths: learning from my holidays		
2:40pm	Erik Zydervelt, Mevo Mevo: 2020 Equity in Transportation		

QUESTIONS & ANSWERS

Thursday, 12 March, 1:30pm – 3:00pm



CONCURRENT SESSION - WALKING FIELD TRIP

CULTURAL NARRATIVE WITHIN STREETSCAPE DESIGN

Thursday, 12 March, 1:30pm – 3:00pm

Meet your tour leader at the Information desk

We will look at incorporating cultural narrative/identity within streetscape design, with a focus on the Avon River Corridor through the central city. This tour will elaborate on how the project team works together to integrate the narrative into the landscape and working together.



Tākaro ā Poi | Margaret Mahy
Market Place | Victoria Square
Tūranga | Central City Library
Ngā Whāriki Manaaki and
Literary Trail
Oi Manawa | Earthquake
Memorial
Te Omeka | Justice &
Emergency Services Precinct
Te Ara Pū Hā | South Frame
Hine-Pāka | Bus Interchange



CONCURRENT SESSION - WALKING FIELD TRIP

TRANSPORT AND PLACEMAKING

Thursday, 12 March, 1:30pm – 3:00pm

Meet your tour leader downstairs, next to main entry front doors

Gap Filler will take us through Placemaking at One Central where the team have been experimenting with temporary projects that can have long-term community outcomes. The walk will end at the Central Bus Interchange where you will learn about people focussed design, CPTED, and incorporating cultural narrative into buildings and the public realm by Architectus.



CONCURRENT SESSION

SAFER STREETS

Thursday, 12 March, 3:30pm – 5:00pm

Room: Limes Room

Session chair: **Melanie Muirson, Stantec NZ**



denotes paper produced

3:30pm Dr Glen Koorey, ViaStrada Ltd
Does speed greatly affect travel time?

3:40pm Charlotte French, GHD
Speed management – practicality vs perception

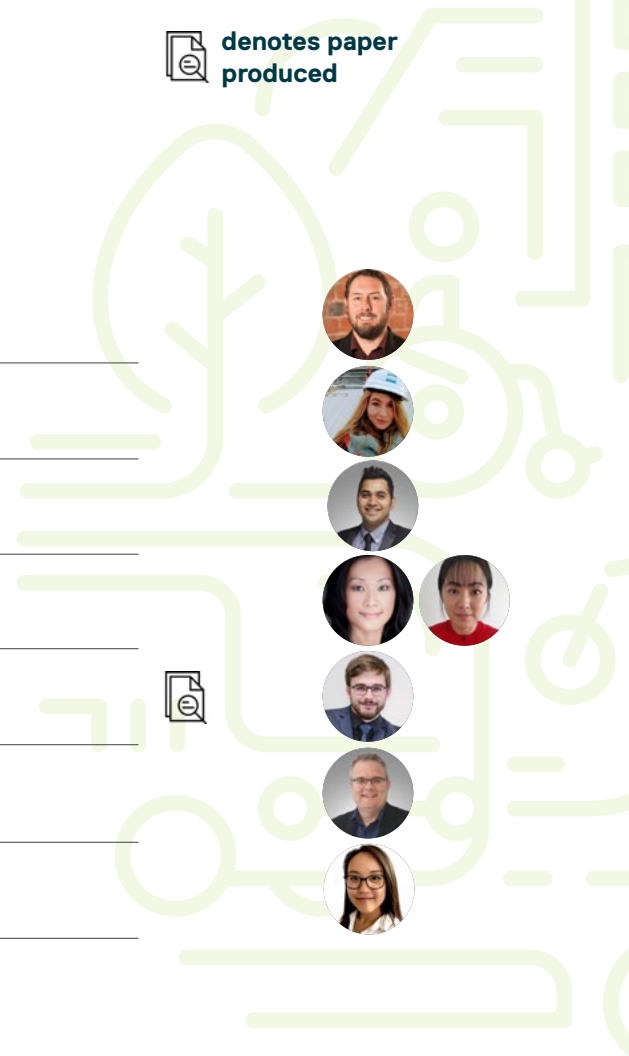
3:50pm Haris Zia, Abley
Safe speeds for all

4:00pm Irene Tse & Jasmine Lau, Auckland Transport
Safety at intersections

4:10pm Andrew Liese, Stantec
Conflict analysis with real-time video analytics


4:20pm Dr Shane Turner, Abley
Safety of digital billboard installations

4:35pm Kitty Jan, Auckland Transport
Vision zero leadership and collaboration



QUESTIONS & ANSWERS

Thursday, 12 March, 3:30pm – 5:00pm



A series of horizontal lines for writing, starting from the top of the page and extending to the bottom. The lines are evenly spaced and cover the majority of the page area.

CONCURRENT SESSION

SMART MOBILITY

Thursday, 12 March, 3:30pm – 5:00pm

Room: Avon Room

Session chair: Grace Ryan, GHD

 denotes paper produced

- 3:30pm Rachel Smith, Rachel Smith Pty Ltd
Compelled to change. Why we're not

- 3:45pm Anne Heins & Thomas McNaughton, Christchurch City Council
Shaping commute choices for vibrant cities

- 4:00pm Sue Philbin, TDM Specialist Traffic Planning Consultants Ltd
New Zealand without travel demand management?

- 4:15pm Fiona Thomas, MRCagney
Travel demand management: International insights

- 4:25pm Francisca Simone, NZ Transport Agency
Transport and destination management planning

- 4:35pm Sarah Downs, NZ Transport Agency
Future of Dunedin transport



Jacobs Challenging today.
Reinventing tomorrow.

Mobility solutions for a more connected, sustainable world

At Jacobs, our transport teams deliver transit solutions that make thriving communities and healthy cities possible. Working with our clients, we provide essential mobility to connect people, communities and business to advance economic and social flexibility.

**Together we're moving people forward,
today and into tomorrow.**

Get in touch: Tom Small

Director of Operations - Transport, New Zealand

+64 4 978 9533

Thomas.Small@jacobs.com



PROF. SUSAN KRUMDIECK, UNIVERSITY OF CANTERBURY

Friday, 13 March, 8:30am – 9:00am



Susan Krumdieck has been breaking new ground in research that marries energy and transport and urban form for nearly two decades. The work has resulted in numerous PhD student projects and publications in top journals. But now she has figured out how to make the new methodology of Transition Engineering useful in the real world. Roads and streets are some of the most profound of humanity's works, shaping the pattern of life for centuries. And yet, our inability to consider the future in the transport field gives rise to questions about how we can and should evolve our approach, with urgency. Last century's transport engineering will not build a sustainable future. Time for a revolution.

Transition of the Upper North Island Freight Supply Chain

This will be the last report, so make sure it is a logistically, economically, socially, and politically balanced and viable strategy." There have been at least 18 previous reports about what to do to move freight efficiently in the Upper North Island.

During the 15 months that I spent on the working group, I learned so much about the historical context and how things got to the current state. We did a lot of research on the development pathways of other port cities. We listened to any and all stakeholders who asked to tell us about their business, their issues, their needs, and just how close to disaster the current UNISC is.

The strategy that the working group has presented provided for some interesting press. But the vision and the actions are sound and hold the key for building the future for all of New Zealand. It might be worth getting up early for.

DANIEL JENKINS, DCA DESIGN INTERNATIONAL VIA SATELLITE

Friday, 13 March, 9:00am – 10:00am



Daniel P. Jenkins leads the human factors research team at DCA Design International (London, UK), one of the world's leading product design and development consultancies. Within multidisciplinary teams, he supports the design of a diverse range of products and services, from trains to toothbrushes. Then specialisations in the application of human factors and systems thinking tools to ensure system performance is maximised and that products stand the greatest chance of commercial success.

Notable projects include patient-administered drug delivery devices, next-generation radiotherapy equipment, train cabs, train passenger areas, airline interiors, personal protective equipment, and a wide range of fast moving consumer goods. Dan has co-authored 10 books on human factors and has received numerous awards for his work including the HFES User-Centered Design Award and the CIEHF President's Medal.

Designing for Diversity and inclusive design

Inclusive design is often confused with simply designing for people with disabilities, but it is much more than this: quite simply, it's about designing for people – regardless of who they are. It's a philosophy that encourages us to consider how size, shape, age, gender, sexuality, ethnicity, education levels, income, spoken languages, culture & customs, and even diets shape the way we interact with the world and the products and services that inhabit it. More importantly, it's about designing products and services in light of this understanding.

The ethical case for inclusive design is easy to understand. Most of us want to live in a world where we all have an equal chance of engaging with society, participating in different activities, living independently. But it's a philosophy that also makes great business sense, and one that is embraced by some of the world's leading companies to develop a larger customer base, improve customer satisfaction, reduce returns & servicing, increase brand reputation, and improve staff morale.

The presentation will discuss the importance of inclusive design. A wide range of tools and techniques for physical and digital design will be discussed to ensure that informed trade-offs can be made throughout the design process.

COBY DUGGAN, VOLVO

Friday, 13 March, 10:00am – 10:30am



Over the last 20 years Coby has represented a range of global automotive manufacturers in the New Zealand market across a number of disciplines, in particular sales and marketing, and in recent years, General Management. This experience has resulted in a deep understanding of the New Zealand automotive landscape and an appreciation of the challenges facing manufacturers in an industry that is evolving faster than ever, whether these challenges relate to consumer behaviour, sustainability, safety technology or the physical environment cars are required to operate within...both now and into the future.

Equity in Transportation: The Volvo Perspective

As we look around us, populations are outgrowing infrastructure, air quality is deteriorating, traffic accidents have become a global health concern and commute times continue to increase. At the same time, our desire for efficiency and constant connectivity is stronger than ever. It's with this context in mind that Volvo Cars has reframed the human-centric approach it was founded upon, into a focus on providing 'Freedom to Move' that is Personal, Sustainable and Safe. Despite our 'uniquely Volvo' perspective, we are under no illusion that brands in isolation – or even the automotive industry in isolation – can possibly tackle the current challenges alone. Already, advances in vehicle intelligence are happening at a far greater rate than advances in infrastructure, which has become a critical consideration for a vast array of stakeholders and reinforces the need for collaboration and standardisation in the years ahead.

With this collaboration in mind, and closely aligned with the 'Equity in Transportation' conference theme, in 2019 Volvo Cars launched the E.V.A initiative - Equal Vehicles for All – which saw the release of more than 100 papers from over 40 years of accident research, reinforcing our position as the world leader in safety and, most importantly, ensuring the benefit of our learnings is as wide reaching as possible.

A quick Google search for the term 'autonomous cars' produces over 100 million references and there's no question that autonomy is one of the most dramatic shifts the automotive industry has ever seen. Not surprisingly, Volvo Cars' approach to an increasingly autonomous future has been equally human-centric. Given the potential benefits in terms of safety, productivity and sustainability, we can be sure that autonomous cars will have a profound impact on how people travel, how we design our cities and how we use infrastructure.

CONCURRENT SESSION

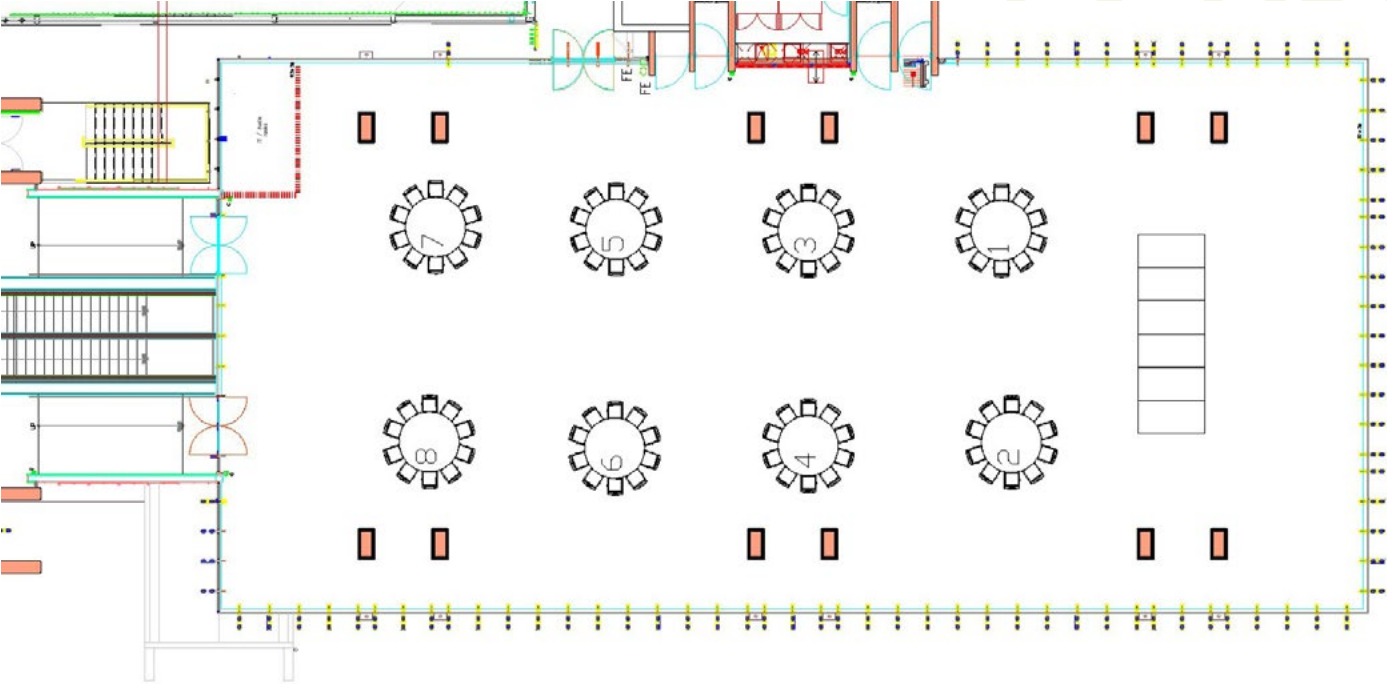
THE LEARNING CAFÉ

Friday, 13 March, 11:00am – 12:30pm

Room: Limes Room

Session chair: Greg Ellis

Explanation: Presentations will be repeated 4 times during the session to 4 different audiences at 11:05am; 11:25am; 11:50am; 12:10pm. Each presentation includes a 5-minute presentation followed by 10 mins Q&A/discussion. Gaps in time allow for transition.



CONCURRENT SESSION

THE LEARNING CAFÉ

1

Zane Bray, Auckland University
Refugees, cycling in Auckland

2

Bill Frith, WSP
Michael Jackett, Jackett Consulting
Road lighting - Its night sky impact

3

Dr Bridget Burdett, MRCagney
Disability sector engagement: Good practice guide

4

Daniel Harney, Jacobs Engineering Group
Costing mobility: Policy and planning toolkit

5

Dr Angela Curl, University of Otago;
Dr Helen Fitt, Lincoln University
Equity implications of emerging transport modes

6

Shifani Sood WSP
Resort town travel demand management

7

Ben Frost, Beca
What does real choice look like?

8

Ina Stenzel & Brian Wolfman, Auckland Transport
Carrington Road paired crossing

 denotes paper produced



CONCURRENT SESSION

FUTURE MOBILITY, WINNING WITH WALKING & BIKING

Friday, 13 March, 11:00am – 12:30pm

Room: Avon Room

Session chair: Nick Lovett, Christchurch City Council

11:00am **John Lieswyn, ViaStrada**
Palmerston North urban cycle network plan



11:15am **David Aldridge, Beca**
Delivering major cycleways



11:25am **Katherine Eveleigh, Aurecon;**
Shelley Perfect, WSP
Ferry Road - Angst to contentment



11:35am **Luke Christensen, MRCagney**
Prioritisation of bike and ride sites



11:50am **Ivy Hao, Auckland Transport**
Behaviour of shared user path users



12:05pm **Ajjima Soathong, University of Auckland**
Pedestrian route choice at road crossings



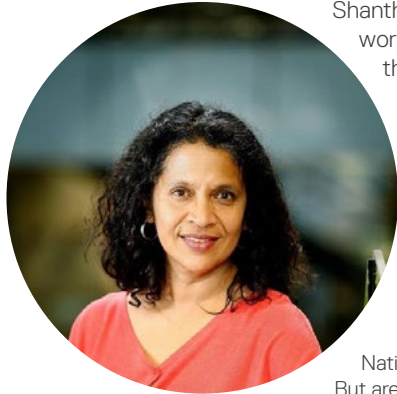
QUESTIONS & ANSWERS

Friday, 13 March, 11:00am – 12:30pm



PROF. SHANTHI AMERATUNGA, UNIVERSITY OF AUCKLAND

Friday, 13 March, 1:30pm – 2:00pm



Shanthi is a Professor of Public Health at the University of Auckland. A paediatrician by background, she worked clinically in Northland and Auckland before transitioning to a career in public health, training at the Johns Hopkins University. Over the past 20 years, she has developed an internationally recognised research program focusing on injury prevention, trauma care and disability. Her work focusing on environments that support equitable health outcomes has led to a keen interest in the bridge between transport and health. She has published widely and is engaged in local and international collaborative research initiatives involving partners in New Zealand, Australia, US, Canada, UK, and the Asia-Pacific region. She serves on multiple global think tanks and has received several awards including the Te Manaia Leadership Award presented by the Injury Prevention Network of Aotearoa.

Inclusive transport leaves no one behind

National and regional transport initiatives that aim to actualise the co-benefits of active travel are greatly welcomed.

But are these opportunities accessible to everyone? And to what extent might the implementation of the vision deviate from the needs and aspirations of people differently challenged by transport systems due to advancing age, chronic health conditions, or disability?

These questions stimulated the conduct of the Inclusive Streetscapes project, funded by the Health Research Council of New Zealand. The project was designed to:

- Explore the lived experiences of people with disability and older citizens, particularly with regard to street and transport system characteristics influencing their mobility, resilience, health and wellbeing
- Understand the influences on decision-making by transport professionals with regard to age- and disability-friendly policies and practices; and
- Consider the implications for inclusive and equitable transport policies that respond to the needs of disabled people and older citizens.

The community-based participatory research study undertaken in four case study sites in Auckland gathered and analysed in-depth data from 62 community members differently challenged by street and transport environments; information from over 200 transport professionals who participated in a web-based survey or key informant interviews; and an integrative review of transport accessibility measures and indicators. While our analyses identified several challenges in common, there were important variations in the qualitative lived experiences and responses in different communities participating in this project with significant implications from an equity and social justice perspective. We also found striking parallels and variations in understandings and practices relating to accessibility from the perspectives of transport professionals.

The findings of this project speak to the importance of reaching communities to engage in their own terms, and the need for transformative changes in the way we prioritise, design, implement, and monitor transport systems that are accessible for all.

DARRAL CAMPBELL, DEMENTIA CANTERBURY & DR SUSAN GEE, CANTERBURY DHB

Friday, 13 March, 2:00pm – 2:30pm



Darral Campbell is the Manager of Dementia Canterbury, an organisation committed to supporting people to live well in the community with dementia for as long as possible. Her particular interest is partnerships with community that enable access and opportunity for social connection and stimulation for those living with a dementia diagnosis.

Susan Gee, PhD is the lead researcher for the Psychiatry of Old Age Academic Unit, CDHB and a research fellow for the University of Otago, Christchurch. Her publications reflect her interest in optimising the mental health and well-being of older people and the care they receive.

A new journey: Dementia friendly transport

People living with dementia can often live independently for years, however at some stage they will become unable to drive safely. The challenges faced by a person with dementia navigating alternative transport options are wider than just memory, and they may lose confidence in their ability to travel. This presentation focuses on the concept of dementia friendly communities and the importance of transport in achieving this vision.

A dementia-friendly community is one in which both the physical and social environment are responsive to the needs of a person with dementia. According to people with dementia this includes being able to find their way around and feel safe, access the local facilities that they are used to, and maintain their social networks, and that people are accepting and understanding. Transport is a key enabler or barrier to these goals. This presentation explores the perspectives of people living with dementia and the role of accessibility, awareness, and inclusion in design in ensuring dementia friendly transport.

The abstract very much inspired by this article - hopefully not to the extent of plagiarism!



<https://theknowledgeexchangeblog.com/2017/10/11/a-new-journey-creating-a-dementia-friendly-public-transport-system/>

JEZZA WILLIAMS, MAKINGTRAX CHRISTCHURCH

Friday, 13 March, 2:30pm – 3:00pm



Jezza Williams was born for adventure, prior to a life changing moment Jezza was guiding internationally on some of the world's best whitewater, deepest canyons and most remote locations.

Not letting a small hiccup of becoming a tetraplegic in a canyoning accident, hold him back Jezza embraced his new world. In 2012 Jezza founded Makingtrax, inclusive tourism experts and adaptive adventure specialists. With over 20 years of experience in the adventure travel industry his expertise is second to none. Makingtrax has become a global game changer in inclusive adventure, creating inclusive destinations by assisting operators and the industry to opening up the rewarding, fast growing and often misunderstood industry of inclusive tourism.

Unstoppable Jezza was the first and only tetraplegic to undertake the Mongol Rally 26,000km London to Mongolia and back, just to test his limits. Limitless Jezza is also New Zealand's first and only tetraplegic licensed paragliding pilot. Jezza's story is captured in an award winning film: <https://www.youtube.com/watch?v=b5p89DobXUo&feature=youtu.be>

Inclusion in Travel

1. Introducing Makingtrax
2. The founder and director: Jezza Williams
3. Education within the inclusive client industry numbers and facts (both domestic and international)
4. Tourism New Zealand incentives
5. Transportations Sectors: Information infrastructure and services; Including Bus City/Rural, Taxi, Uber assist, Ferry Services, Parking Open/Building, Cycle-Ways, Hire Vehicles, Campervans, Scooters
6. Over all procedures, one frame work/consistency, employing adequate consultancy for the job
7. Researched individual opinion and personal opinion
8. Conclusion in a web-based survey or key informant interviews; and an integrative review of transport accessibility measures and indicators. While our analyses identified several challenges in common, there were important variations in the qualitative lived experiences and responses in different communities.

AWARDS

Friday, 13 March, 3:00pm – 3:30pm

Best Abstract presentation

Presented by: Gemma Dioni, Conference Convenor

Best young author

Presented by: Andrew Prosser, Jacobs

Best student

Presented by: John Lieswyn, ITEANZ

Best Think piece Paper

Presented by: Jeanette Ward, Transportation Group Chairperson

Best Practice Paper

Presented by: Jeanette Ward, Transportation Group Chairperson

Best Research Paper

Presented by: Jeanette Ward, Transportation Group Chairperson

AA Award for Best Conference Paper

Presented by: NZ Automobile Association

Transportation Group NZ Research award 2020

Transportation Group NZ Tertiary Study Grant 2020

Best contributor to Roundabout

Presented by: Jeanette Ward, Transportation Group Chairperson

People's Choice Award for best presentation for:

- Poster
- Learning Café
- Soapbox
- Oral

Presented by: Gemma Dioni, Conference Convenor



Jacobs





Equity in Transportation

MANY THANKS TO OUR WONDERFUL SUPPORTERS

PLATINUM PLUS



PLATINUM



GOLD



SILVER



AWARDS SPONSOR



EXHIBITORS





**TRANSPORTATION
GROUP
NEW ZEALAND**

JOIN THE **TRANSPORTATION GROUP NZ**
TO BE PART OF THE INDUSTRY GROUP
INVOLVED IN ALL THINGS TRANSPORT.

RECEIVE REGULAR UPDATES ON INDUSTRY
NEWS, ATTEND BRANCH EVENTS WITH
YOUR PEERS AND OTHER INDUSTRY
GROUPS AND OF COURSE ATTEND
THIS **FANTASTIC ANNUAL CONFERENCE!**

<http://transportationgroup.nz>

SIDRA INTERSECTION 9

Helping our industry solve complex traffic problems

SIDRA INTERSECTION 9 is a major new release of this powerful traffic engineering software package.

It is used by practitioners worldwide to help solve complex traffic problems with ease and efficiency.

To learn more:

SIDRASOLUTIONS.COM

