

AITPM CONFERENCE PROGRAM

TUESDAY 30 JULY 2019

5.30pm - 8pm	Conference Registration
6pm - 8pm	Welcome and Pre-Conference Welcome Reception (Hall L)

WEDNESDAY 31 JULY 2019

8am - 5pm	Conference Registration
9am	Opening Address and Welcome, National President, DPTI (Hall M)
9.30am	PLENARY SESSION 1: PHIL JONES KEYNOTE ADDRESS - STREETS AS PLACES - What's been achieved and what's still to do? (Hall M)
10.20am	Morning Tea (Hall L)
10.50am	CONCURRENT SESSIONS 1-4
12.30pm	Lunch (Hall L)
1.30pm	CONCURRENT SESSIONS 5-8
3.10pm	Afternoon Tea (Hall L)
3.30pm	CONCURRENT SESSIONS 9-12
5.10pm	Sessions end, move to AGM
5.15pm	AITPM AGM (City Rooms C1 +C2)
6.30pm	Awards Dinner Pre Dinner Drinks
7.00pm	Awards Dinner - Adelaide Convention Centre (Panorama Ballroom)

THURSDAY 1 AUGUST 2019

8.45am	PLENARY SESSION 2: JD HUNT AND GRAHAM CURRIE KEYNOTE ADDRESSES (Hall M)
10.30am	Morning Tea (Hall L)
10.50am	CONCURRENT SESSIONS 13-16
12.10pm	Sit Down Lunch (Panorama Ballroom)
2.00pm	CONCURRENT SESSIONS 17-20
3.20pm	Afternoon Tea (Hall L)
3.40pm	CONCURRENT SESSIONS 21-24
5.00pm	PLENARY SESSION 3: YOUNG PROFESSIONALS (Hall N)
6.00-6.15pm	Conference Close (Hall N)
7.00- 10pm	Social Networking Evening - Adelaide Oval (John Halbert Room)

FRIDAY 2 AUGUST 2019

8.45am-3.00pm	Active Transport Modes Workshop (Adelaide Meeting Hall)
8.45am-3.00pm	Smart City Planning Workshop (City Rooms C1 + C2)
8.45am-4.40pm	Transport and Land Use Modelling Forum (City Rooms C3 + C4)

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CONCURRENT SESSIONS 1-4
Wednesday, 10.50am - 12.30pm

TRAFFIC ENGINEERING & MANAGEMENT	TRANSPORT PLANNING	TRANSPORT & LAND USE MODELLING	TRANSPORT ADVISORY
CONCURRENT SESSION 1 City Street Design	CONCURRENT SESSION 2 Planning and design for safer cycling infrastru	CONCURRENT SESSION 3 Integrated Modelling	CONCURRENT SESSION 4 Planning for Customer Centric Transport
<p>Streets Undressed? Increasing place value and safety through street re-design Mel Fyfe & Richard Jones TTM Consulting</p> <p>Reclaiming Our Streets James Laing GTA Consultants</p> <p>Urban design for urban arterials: main roads as the next frontier for investment attraction and liveability Michael McKeown Jensen PLUS</p> <p>Christchurch - Building a city for people Steffan Thomas Christchurch City Council</p>	<p>Identifying cycling stress to inform cycling infrastructure investment Phil Gray Department of Transport VIC</p> <p>Perth, WA: how one of the world's most car-centric cities is developing plans for a network of safe cycling infrastructure Warren Apter & Matt Root Department of Transport WA & Flyt</p> <p>Improving Cyclist Safety: Protected Intersections - A Practical Approach Adrian Lim Safe System Road Infrastructure Program, Department of Transport VIC</p> <p>Shifting the focus of local bicycle network design Giles Graham SITE planning + design</p>	<p>Another perspective on land use-transport integration models: integrated demand forecasting for household transport, energy, water & waste Michael Taylor & Nicholas Holyoak University of South Australia & Flinders University</p> <p>One city many perspectives - how well does the city serve the varying needs of its residents Peter Davidson & Morgan Weston TransPosition</p> <p>Working with integrated modelling? How mobile phone data can help you validating demand distribution Tamara Djukic Aimsun</p> <p>A national view of transport accessibility to essential services Dan Saunders Basemap</p>	<p>A Human Centred Approach to Transport Planning Michael O'Brien, Rachel Flitman & Laura Stewart Aurecon</p> <p>Planning for Customer-focused Public Transport John Devney GTA Consultants</p> <p>Indigenous-led design Michael Hromek WSP Australia</p> <p>Engaging communities through an experience: Digital engagement and gamification to build Australia's infrastructure Nina Milinkovich, Laura Stewart & Fleur Laurence Aurecon</p>
Session information pg: 27-35	Session information pg: 36-45	Session information pg: 46-55	Session information pg: 56-65

CONCURRENT SESSIONS 5-8

Wednesday, 1.30-3.10pm

TRAFFIC ENGINEERING & MANAGEMENT	TRANSPORT PLANNING	TRANSPORT & LAND USE MODELLING	TRANSPORT ADVISORY
<p>CONCURRENT SESSION 5 Understanding Travel Patterns Better</p>	<p>CONCURRENT SESSION 6 Planning for Better Designed City Streets</p>	<p>CONCURRENT SESSION 7 Urban and Regional Modelling</p>	<p>CONCURRENT SESSION 8 Future Directions for Public Transport Planning</p>
<p>An Analytics-Based Approach to Targeted Queue Protection and Road Safety Ashish Dhanjee & Timothy Jennings SMEC Australia</p> <p>Data-of-Things: leveraging tech to enrich data collection David Barnes TTM Consulting</p> <p>Suburban Shopping Centres - Changing Travel Patterns and Trip Generation Benjamin James, Damien Bitzios & Vince Taranto Bitzios Consulting & Transport for NSW</p> <p>PBS and last-mile access - keep up the good work Philip Roper & Peter Eady O'Brien Traffic</p>	<p>10 ways how the Movement and Place approach improves planning and design processes for urban streets Natalya Boujenko Intermethod</p> <p>Streets of the future - a Movement and Place approach to new mobility Mary Haverland WSP Australia</p> <p>Hoddle vs Light vs NURP – designing an ideal street network Murray West MRCagney</p> <p>How Tauranga's streetscapes are changing face Lucy Godfrey & Greg Bassam Mott MacDonald & Tauranga City Council</p>	<p>Development of a Transit Service Planning Network Model for the NSW Rail Network Daniel Florian & Sin It Foong INRO</p> <p>Horses for Courses - Transport Models for Regional Cities Reece Humphreys GTA Consultants</p> <p>Simplified Tour-Based Model Vipul Modi Citilabs</p> <p>Modelling the impacts of road user charging in Australian cities Daniel Veryard & Audrey Mak Veitch Lister Consulting</p>	<p>Are Trackless Trams game-changers for Australian Cities? The case of Adelaide Daniel Conley, Charlie Hargroves, Martin Lambert, Peter Newman & Daniel Osborne University of Adelaide, Curtin University & Arup</p> <p>Driving change in a city centre: Perth's parking policy 20 years on Alison Bunbury & Craig Wooldridge Department of Transport, WA</p> <p>Sustaining the Strategy: Plans Outlasting Politics Anthony Simmons, Aurecon</p> <p>There's no such thing as a Transport project Graham Pointer WSP Australia</p>
<p>Session information pg: 66-75</p>	<p>Session information pg: 76-85</p>	<p>Session information pg: 86-95</p>	<p>Session information pg: 96-105</p>

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CONCURRENT SESSIONS 9-12

Wednesday, 3.30-5.10pm

TRAFFIC ENGINEERING & MANAGEMENT	TRANSPORT PLANNING	TRANSPORT & LAND USE MODELLING	TRANSPORT ADVISORY
CONCURRENT SESSION 9 Advances in Road Safety	CONCURRENT SESSION 10 New Ways for Station Planning and Design	CONCURRENT SESSION 11 Advances in Modelling	CONCURRENT SESSION 12 Planning for Mobility as a Service
<p>Road Safety Auditing in Virtual Reality Lindsay Smith SMEC Australia</p> <p>Pedestrian Protection at Signalised Intersections Lachlan Moir & Jon Douglas Department of Transport and Main Roads QLD</p> <p>Crash Reduction using Mass Action Matt Harridge & Terry Alexandrou O'Brien Traffic</p>	<p>Application of Movement and Place to stations – A new approach to station classification and access planning Christian Bodé, Dominique Torpy, Katrina Hynes & Matthew Raisbeck GTA Consultants & Transport for Victoria</p> <p>Conceiving a station: architectural deliverables and what they tell of the design process Michael Kahn Cox Architecture</p> <p>Prioritising demand management interventions at park and ride sites Cathie Norton & Kristy Butler Arup</p> <p>Station Personalities: Understanding the compatibility of people and place Saskia Noakes GTA Consultants</p>	<p>Rapid Deployment Dynamic Traffic Assignment Michael Mahut, Peter Bosa & Ido Juran INRO & Portland Metro</p> <p>Unmet demand in transport modelling Robert Dus GTA Consultants</p> <p>Behavioural impacts of automated and zero emission vehicles using the Melbourne Activity and Agency Based Model Praveen Thakur & Renan Grace KPMG Australia</p> <p>Towards Further Automation of Traffic Model Development Richard Isted Jacobs Group</p>	<p>Opportunities in Mobility as a Service Pete Davis, Mary Haverland & Richard Delplace WSP Australia</p> <p>Shared automated vehicles and the future role of public transport Maddison Hoey & Jon Frew KPMG</p> <p>Transport Planning - Mobility as a service Andrew Radford, Tom van Vuren & Kate Mackay Mott MacDonald</p> <p>Mobility as a Service with Autonomous Vehicles in Regional Towns – the untold story David Freer & David Blair SMEC Australia</p>
Session information pg: 106-113	Session information pg: 114-123	Session information pg: 124-133	Session information pg: 134-143

CONCURRENT SESSIONS 13-16

Thursday, 10.50am-12.10pm

TRAFFIC ENGINEERING & MANAGEMENT	TRANSPORT PLANNING	TRANSPORT & LAND USE MODELLING	TRANSPORT ADVISORY
<p>CONCURRENT SESSION 13 Alternative Transport Options and Managing Transport Corridors</p>	<p>CONCURRENT SESSION 14 Planning to Influence Parking Demand</p>	<p>CONCURRENT SESSION 15 Modelling Data and Analysis</p>	<p>CONCURRENT SESSION 16 Planning for Future Generations</p>
<p>Bike Share, experiences and future possibilities Shane FitzGerald Arup</p> <p>Residents' Benefit Scheme Kirstin Palmer PSA Consulting (Australia)</p> <p>How to successfully close Melbourne's busiest arterial Lindsay Smith & Justin Lu SMEC Australia / Real Time Traffic</p>	<p>Right-sizing parking: An evolution of 'parking caps' Jacob Martin Cardno</p> <p>Can high quality public transport support reduced car parking requirements for new residential apartments? Chris De Gruyter, Elizabeth Taylor & Long Truong RMIT University, La Trobe University & Monash University</p> <p>Park 'n' Ride in South East Queensland Vincent Doran Department of Transport and Main Roads QLD</p>	<p>Employment Decentralisation in Sydney Jessica Athayde, Dr Edward Robson & Dr Kasun Wijayaratna University of New South Wales & University of Technology Sydney</p> <p>If you build it, they will come: A practical guide to managing optimism bias in transport planning and modelling Alan Kleidon & Mehdi Langroudi SMEC and Main Roads Western Australia</p> <p>Using big data to answer regional transport planning questions Ben Cebuliak, Daniel Arthur & Roniga Han Transport for NSW</p>	<p>Travel Behaviour Variation across Sydney Isabella Kim, Dr Kasun Wijayaratna & Sisi Jian Cardno & University of New South Wales, Sydney</p> <p>Improving the lives of families with young children – Good transport planning can make a difference Emma Forde & Kylie Nixon Arup</p> <p>Co-designing your region Ellie Simpson, Julie Gee, Ben Cebuliak, Matthew Dudley & Lachlan Paull Transport for NSW</p>
<p>Session information pg: 145-151</p>	<p>Session information pg: 152-159</p>	<p>Session information pg: 160-167</p>	<p>Session information pg: 168-175</p>

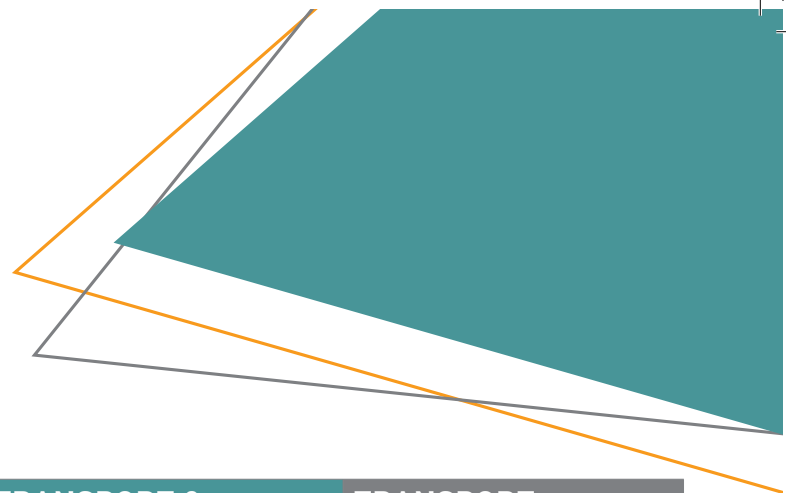
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CONCURRENT SESSIONS 17-20
Thursday, 2-3.20pm

TRAFFIC ENGINEERING & MANAGEMENT	TRANSPORT PLANNING	TRANSPORT & LAND USE MODELLING	TRANSPORT ADVISORY
<p>CONCURRENT SESSION 17 Understanding Travel Patterns Better</p>	<p>CONCURRENT SESSION 18 Public Transport Planning and Delivery</p>	<p>CONCURRENT SESSION 19 Innovative Modelling</p>	<p>CONCURRENT SESSION 20 New Approaches in Transport Economics</p>
<p>Raised Intersections at Traffic Signals in Victoria Sarah Morris Department of Transport VIC</p> <p>A comparative update on experiences with local area traffic management in Australia and New Zealand Peter Damen Level 5 Design</p> <p>Seaford Roundabout - Pedestrians, crashes & speed requires an innovative solution Darren Blasdale City of Onkaparinga</p>	<p>Rail transport project planning under uncertainty: a real options approach Robert Kinghorn, Jacqueline Burger & Lulu Zeng KPMG</p> <p>Australia's Biggest Public Transport Project: City-shaping with Sydney Metro West Michael Jensen & Samantha Phillips Sydney Metro, Transport for NSW</p> <p>Station Link - The art and science behind one of Australia's biggest transport challenges Seamus Christley & Matthew O'Neill Transport for NSW & KO Engagement</p>	<p>Google Maps Travel Time Data: How does it compare to other data sources? Premraj Dorai Rajoo Jacobs Group</p> <p>The Unreliability of journey-time reliability measurements Emily Moylan, Dr Sisi Jian, Dr Kasun Wijayarathna & Professor Waller University of Sydney & University of New South Wales</p> <p>Traffic Assignment Frameworks - For robust strategic mobility planning in large-scale networks Dave Keenan Aimsun Pty Ltd</p>	<p>Transport economics: a new paradigm Ben Mason Frontier Economics</p> <p>Financial impacts of automated and zero emission vehicles in Melbourne Oliver Crane, Daniel Morgan & Daniel Golder KPMG Australia</p> <p>Risky business - Embedding risk evaluation principles within Cost Benefit Analysis Owen Lewis, Stuart McCully & John Matthews EY</p>
<p>Session information pg: 176-183</p>	<p>Session information pg: 184-191</p>	<p>Session information pg: 192-199</p>	<p>Session information pg: 200-207</p>

CONCURRENT SESSIONS 21-24

Thursday, 3.40-5.00pm



TRAFFIC ENGINEERING & MANAGEMENT	TRANSPORT PLANNING	TRANSPORT & LAND USE MODELLING	TRANSPORT ADVISORY
<p>CONCURRENT SESSION 21 Considering Autonomous Vehicles</p>	<p>CONCURRENT SESSION 22 New Findings on Transport Accessibility</p>	<p>CONCURRENT SESSION 23 Secret and Emerging Trends in Modelling</p>	<p>CONCURRENT SESSION 24</p>
<p>Prioritisation and Efficiency of Buses in Sydney Roopa Jogunoori, Brad Hamilton & Angus Sturrock Transport for NSW</p> <p>What will the role of the road network manager be with the advent of CAVS? David Lowe Jacobs Group</p> <p>Pavement Markings for Machine Vision Chris Jones & Julien Marr Austroads & WSP</p>	<p>Applications of Public Transport Accessibility Levels (PTAL) in Sydney Sahan Wijayarathna, Yanni Huang & Kasun Wijayarathna Transport for NSW & University of Technology Sydney</p> <p>Using accessibility metrics to plan new public transport lines Rafid Morshedi, John Trieu & Pete Davis WSP Australia</p> <p>Using Accessibility for Project Prioritization Vipul Modi, Matt Pettit, Chad Tucker, Brad Shelton, Alex Bell & Chris McCahill Citilabs, Virginia DOT</p>	<p>Traffic signal optimisation with reinforcement learning Network-wide real-time traffic flow prediction with deep learning Arash Kaviani & Matt Gallagher WSP Australia</p> <p>What goes on inside a zone? - The secrets of intrazonal modelling Morgan Weston & Peter Davidson TransPosition</p> <p>The development of a web-based visualisation platform for transport modelling Nick Veitch, Andrew Newman & Laurie Nicol Veitch Lister Consulting & Indicatrix</p>	<p>GC2018 Travel Demand Management - Fitting a square peg into a round hole Matt Ryan, Lisa Marshall & Zoe O'Malley Jacobs & City of Gold Coast</p> <p>The importance of Network Intelligence and Transport Systems to the future of the Gold Coast Alyson O'Rourke City of Gold Coast</p>
<p>Session information pg: 208-215</p>	<p>Session information pg: 216-223</p>	<p>Session information pg: 224-231</p>	<p>Session information pg: 232-239</p>

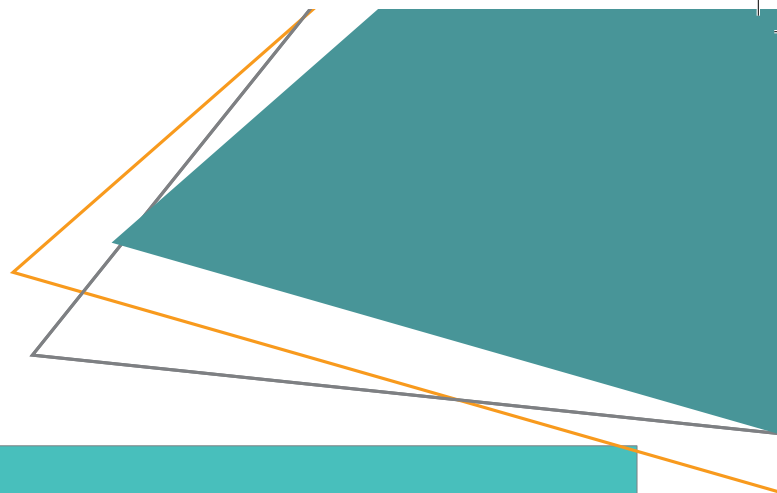
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FRIDAY WORKSHOP#1
Friday, 8.45am-3.00pm

NEW LESSONS FOR ACTIVE TRANSPORT PLANNING WORKSHOP	
8.45am	Welcome
9.00-10.00am	KEYNOTE ADDRESS WITH Q&A PHIL JONES
10.00-10.15am	Active transport implementation: is path dependence limiting change? Karen Wright SGS Economics & Planning/Swinburne University
10.15-10.30am	Is sustainable transport only for latte-sipping inner city dwellers? Sachin Prasad SMEC Australia
10.30am	MORNING TEA
10.50-11.04am	What types of cycleways attract cyclists Graham McCabe Urbis
11.05-11.20am	Exploring Shared-bike Travel Patterns using Big Data from Chicago and Budapest; Implications for Adelaide Ali Soltani, Tamás Mátrai, Andrew Allan, Stephen Berry University of South Australia; Budapest University of Technology and Economics
11.20-11.35am	Opportunities and barriers to rail trail development in WA's south west James Pearse & Sarah Court WSP and Department of Transport WA
11.35-11.50am	Frome Street Bikeway Paul Simons Tonkin Consulting
11.50am	Q&A Panel
12.30pm	LUNCH
1.15-3.00pm	Walking Tour from City of Adelaide venue east along Flinders Street to Frome Street bikeway, walk to North Terrace (Rundle Street), Lot Fourteen and back via Pirie Street
Session information pg: 241-255	

FRIDAY WORKSHOP#2

Friday, 8.45am-3.00pm



INNOVATIONS FOR MOVING PEOPLE WORKSHOP	
8.45am	Welcome
9.00-10.00am	KEYNOTE ADDRESS WITH Q&A GRAHAM CURRIE
10.00-10.15am	Atherstone Smart City Precinct People Movement Study Derrick Hitchins & Rick Wylie SMEC Australia & Key Options
10.15-10.30am	Technology and the future of transport Polly Epov Uber
10.30am	MORNING TEA
10.50-11.04am	Factors Influencing Public Transport Patronage for Work Trips: A Study within the Adelaide Metropolitan Area Keyvan Pourhassan, Sharvari Bhuskute; Sekhar Somenahalli University of South Australia
11.05-11.20am	Delivering the Sydney Clearways Program – Our Approach to Working with the Community Hilary Johnson, Ben Shannon & Sonia Jacenko Transport for NSW
11.20-11.35am	Journey on a Set Back Bus Lane – Anzac Highway, Adelaide Teresa Xavier, John Buckland & Peter Herpich Department of Planning, Transport and Infrastructure
11.35-11.50am	O-Bahn City Access Project Dariusz Fanok Department of Planning, Transport and Infrastructure (DPTI)
11.50am	Q&A Panel
12.30pm	LUNCH
1.15-3.00pm	O-Bahn Bus Tour to Golden Grove and back (Wayne Stewart and Dariusz Fanok)
Session information pg: 256-271	

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FRIDAY WORKSHOP #3

Friday, 9am-4.40pm

TRANSPORT AND LAND USE MODELLING FORUM WITH PROF JD HUNT	
9.00am	Welcome
9.20-10.00am	KEYNOTE SPEAKER : PROF JD HUNT
10.00-10.40am	Speaker: Tom van Vuren - Big Data
10.40am	MORNING TEA
11.00-11.15am	Land-Use/Transport Integration for Demand Modelling Renlong Han, Department of Transport, Western Australia
11.15-11.30am	Deja Vu All Over Again - Another Look at Australian Public Transport Trends Steven Piotrowski & Graham Currie, SMEC & Monash University
11.30-11.45am	One step closer to the future of transport: Modelling the effects of CAVs and shared mobility in strategic models Lawrence Leung & Aliasgar Inayathusein, Veitch Lister Consulting
11.45-12.00pm	Milking life out of the old workhorse Vikas Sharma, SMEC Australia
12.00-12.30pm	Q&A Panel
12.30-1.15pm	LUNCH
1.15-1.30pm	Saturation Flows with Lane Blockage in Networks Rahmi Akçelik, Sidra Solutions
1.30-1.45pm	Unexpected changes: how will we know where the malls are? Anthony Fransos, Arcadis Australia Pacific
1.45-2.00pm	Variability in Traffic Counts and Implications for Traffic Modelling Frank Milthorpe & Mandy Liu, Transport for NSW
2.00-2.30pm	Q&A Panel
2.30-3.00pm	AV Technical Paper Discussion
3.00-3.20pm	AFTERNOON TEA
3.20-4.00pm	Young Professionals Presentations
4.00-4.30pm	Transport Modelling Network Wrap-Up
Session information pg: 272-292	