



## TUESDAY 30 JULY 2019

## 2019 CONFERENCE PROGRAM

5.30pm - 8pm	Conference Registration
6pm - 8pm	Welcome and Pre-Conference Cocktail Party

## WEDNESDAY 31 JULY 2019

8am - 5pm	Conference Registration
9am	Opening Address and Welcome
9.40am	PLENARY SESSION 1: PHIL JONES KEYNOTE ADDRESS
10.20am	Morning Tea
10.50am	CONCURRENT SESSIONS 1-4
12.30pm	Lunch
1.30pm	CONCURRENT SESSIONS 5-8
3.10pm	Afternoon Tea
3.40pm	CONCURRENT SESSIONS 9-11
5.00pm	Sessions end, move to AGM
5.15pm	AITPM AGM
6.30pm	Conference Dinner Pre Dinner Drinks
7.00pm	Conference Dinner Adelaide Convention Centre

## THURSDAY 1 AUGUST 2019

9.00am	PLENARY SESSION 2: JD HUNT AND GRAHAM CURRIE KEYNOTE ADDRESSES
10.00am	Morning Tea
10.20am	CONCURRENT SESSIONS 13-16
12.00pm	Sit Down Lunch
1.00pm	CONCURRENT SESSIONS 17-20
2.40pm	Afternoon Tea
3.00pm	CONCURRENT SESSIONS 21-24
4.20pm	PLENARY SESSION 3: YOUNG PROFESSIONALS
5.00pm	Conference Close
6.30pm	Social Networking Evening Adelaide Oval

## FRIDAY 2 AUGUST 2019

9.00am-2.00pm	FRIDAY WORKSHOP #1 - Active Transport Modes Workshop
9.00am-2.00pm	FRIDAY WORKSHOP #2 - Smart City Planning Workshop
9.00am-4.40pm	FRIDAY WORKSHOP #3 - Transport and Land Use Modelling Forum



## 2019 CONCURRENT SESSIONS

	TRAFFIC ENGINEERING AND MANAGEMENT	TRANSPORT PLANNING	TRANSPORT & LAND USE MODELLING	TRANSPORT ADVISORY
10.50am - 12.30pm WEDNESDAY 31 JULY	<b>CONCURRENT SESSION 1</b> City Street Design	<b>CONCURRENT SESSION 2</b> Planning and design for safer cycling infrastructure	<b>CONCURRENT SESSION 3</b> Integrated Modelling	<b>CONCURRENT SESSION 4</b> Planning for Customer Centric Transport
	<p><b>Streets Undressed? Increasing place value and safety through street re-design</b> Mel Fyfe &amp; Richard Jones TTM Consulting</p> <p><b>Reclaiming Our Streets</b> James Laing GTA Consultants</p> <p><b>Urban design for urban arterials: main roads as the next frontier for investment attraction and liveability</b> Michael McKeown Jensen PLUS</p> <p><b>Christchurch - Building a city for people</b> Steffan Thomas Christchurch City Council</p>	<p><b>Identifying cycling stress to inform cycling infrastructure investment</b> Phil Gray VicRoads</p> <p><b>Perth, WA: how one of the world's most car-centric cities is developing plans for a network of safe cycling infrastructure</b> Warren Apter &amp; Matt Root Department of Transport WA &amp; Flyt</p> <p><b>Improving Cyclist Safety: Protected Intersections - A Practical Approach</b> Adrian Lim Safe System Road Infrastructure Program, VicRoads</p> <p><b>Shifting the focus of local bicycle network design</b> Giles Graham SITE planning + design</p>	<p><b>Another perspective on land use-transport integration models: integrated demand forecasting for household transport, energy, water and waste</b> Michael Taylor &amp; Nicholas Holyoak University of South Australia &amp; Flinders University</p> <p><b>One city many perspectives - how well does the city serve the varying needs of its residents</b> Peter Davidson &amp; Morgan Weston TransPosition</p> <p><b>Working with integrated modelling? How mobile phone data can help you validating demand distribution</b> Tamara Djukic Aimsun SL, Aimsun Pty Ltd</p> <p><b>A national view of transport accessibility to essential services</b> Sophie Perrygrove &amp; Dan Saunders Basemap &amp; Department for Transport</p>	<p><b>A Human Centred Approach to Transport Planning</b> Michael O'Brien, Rachel Flitman &amp; Laura Stewart Aurecon</p> <p><b>Planning for Customer-focused Public Transport</b> John Devney GTA Consultants</p> <p><b>Indigenous-led design</b> Michael Hromek WSP Australia</p> <p><b>Engaging communities through an experience: Digital engagement and gamification to build Australia's infrastructure</b> Nina Milinkovich Aurecon</p>
1.30pm - 3.10pm WEDNESDAY 31 JULY	<b>CONCURRENT SESSION 5</b> New Lessons with Traffic Management	<b>CONCURRENT SESSION 6</b> Planning for Better Designed City Streets	<b>CONCURRENT SESSION 7</b> Innovative Modelling	<b>CONCURRENT SESSION 8</b> Future Directions for Public Transport Planning
	<p><b>Raised Intersections at Traffic Signals in Victoria</b> Sarah Morris VicRoads</p> <p><b>Pedestrian Protection at Signalised Intersections</b> Lachlan Moir &amp; Jon Douglas Department of Transport and Main Roads QLD</p> <p><b>A comparative update on experiences with local area traffic management in Australia and New Zealand</b> Peter Damen Level 5 Design</p> <p><b>Seaford Roundabout - Pedestrians, crashes &amp; speed requires an innovative solution</b> Darren Blasdale City of Onkaparinga</p>	<p><b>10 ways how the Movement and Place approach improves planning and design processes for urban streets</b> Natalya Boujenko Intermethod</p> <p><b>Streets of the future - a Movement and Place approach to new mobility</b> Mary Haverland WSP Australia</p> <p><b>Hoddle vs Light vs NURP - designing an ideal street network</b> Murray West MRCagney</p> <p><b>How Tauranga's streetscapes are changing face</b> Lucy Millier &amp; Greg Bassam Mott MacDonald &amp; Tauranga City Council</p>	<p><b>Towards Further Automation of Traffic Model Development</b> Richard Isted Jacobs Group</p> <p><b>The Unreliability of journey-time reliability measurements</b> Emily Moylan, Dr Sisi Jian, Kasun Wijayaratna, Professor Waller University of Sydney</p> <p><b>Simplified Tour-based Model</b> William G Allen Jr &amp; Filippo Contiero Citilabs</p> <p><b>Traffic Assignment Frameworks - For robust strategic mobility planning in large-scale networks</b> Dave Keenan, Tamara Djukic, Paolo Rinelli, Joan Roca, Jose Perarnau, Sergio Pujadas, Jordi Casas Aimsun Pty Ltd</p>	<p><b>Are Trackless Trams game-changers for Australian Cities? The case of Adelaide</b> Daniel Conley, Charlie Hargroves, Martin Lambert, Peter Newman &amp; Daniel Osborne University of Adelaide, Curtin University and Arup</p> <p><b>Rail transport project planning under uncertainty: a real options approach</b> Robert Kinghorn, Jacqueline Burger, Lulu Zeng KPMG</p> <p><b>Sustaining the Strategy: Plans Outlasting Politics</b> Anthony Simmons, Aurecon</p> <p><b>There's no such thing as a Transport project</b> Graham Pointer WSP Australia</p>



## 2019 CONCURRENT SESSIONS

	<b>TRAFFIC ENGINEERING AND MANAGEMENT</b>	<b>TRANSPORT PLANNING</b>	<b>TRANSPORT &amp; LAND USE MODELLING</b>	<b>TRANSPORT ADVISORY</b>
3.40pm - 5.00pm WEDNESDAY 31 JULY	<b>CONCURRENT SESSION 9</b> Advances in Road Safety	<b>CONCURRENT SESSION 10</b> New Ways for Station Planning and Design	<b>CONCURRENT SESSION 11</b> Advances in Modelling	<b>CONCURRENT SESSION 12</b> Planning for Mobility as a Service
	<p><b>Road Safety Auditing in Virtual Reality</b> Lindsay Smith SMEC Australia</p> <p><b>Yarra's road safety innovation</b> Ross Evans &amp; Danny Millcan Yarra City Council</p> <p><b>Crash Reduction using Mass Action</b> Matt Harridge &amp; Terry Alexandrou O'Brien Traffic</p>	<p><b>Application of Movement and Place to stations – A new approach to station classification and access planning</b> Christian Bodé, Dominique Tropy, Katrina Hynes, Matthew Raisbeck GTA Consultants, Transport for Victoria (DEDJTR)</p> <p><b>Shaping transport nodes: aggregated design influences and the architecture of transport</b> Michael Kahn Cox Architecture</p> <p><b>Station Personalities: Understanding the compatibility of people and place</b> Saskia Noakes &amp; Dr Jason Thompson GTA Consultants and Melbourne University</p>	<p><b>Rapid Deployment Dynamic Traffic Assignment</b> Michael Mahut, Peter Bosa &amp; Ido Juran INRO and Portland Metro</p> <p><b>Unmet demand in transportation modelling</b> Robert Dus, Matthew Petherick, John Morris &amp; Chris Wilson GTA Consultants</p> <p><b>Active Mode Access Tool – identifying stations &amp; hubs with strong walking &amp; cycling potential</b> Miki Oravec &amp; Claudia Nguyen Transport for Victoria (DEDJTR)</p>	<p><b>Opportunities in Mobility as a Service</b> Pete Davis &amp; Mary Haverland WSP Australia</p> <p><b>Shared automated vehicles and the future role of public transport</b> Maddison Hoey, Lana Hall &amp; Jon Frew KPMG</p>

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10.20am - 12.00pm THURSDAY 1 AUGUST	<b>CONCURRENT SESSION 13</b> Alternative Transport Options and Managing Transport Corridors	<b>CONCURRENT SESSION 14</b> Public Transport Planning and Delivery	<b>CONCURRENT SESSION 15</b> Urban and Regional Modelling	<b>CONCURRENT SESSION 16</b> Planning for Future Generations
	<p><b>Bike Share, experiences and future possibilities</b> Shane Fitzgerald Arup</p> <p><b>Residents' Benefit Scheme</b> Kirstin Palmer PSA Consulting (Australia)</p> <p><b>How to successfully close Melbourne's busiest arterial</b> Lindsay Smith &amp; Justin Lu SMEC Australia / Real Time Traffic</p> <p><b>Prioritisation and Efficiency of Buses in Sydney</b> Roopa Jogunoori, Brad Hamilton &amp; Angus Sturrock Roads and Maritime Services</p>	<p><b>Australia's Biggest Public Transport Project: City-shaping with Sydney Metro West</b> Michael Jensen &amp; Samantha Phillips Sydney Metro, Transport for NSW</p> <p><b>Station Link - The art and science behind one of Australia's biggest transport challenges</b> Seamus Christley &amp; Matthew O'Neill Transport for NSW</p>	<p><b>Development of a Transit Service Planning Network Model for the NSW Rail Network</b> Daniel Florian &amp; Sin It Foong INRO</p> <p><b>Modelling Regional cities</b> Reece Humphreys, John Morris, Majed Marzouk &amp; Chris Wilson GTA Consultants</p> <p><b>What goes on inside a zone? - The secrets of intrazonal modelling</b> Morgan Weston &amp; Peter Davidson TransPosition</p> <p><b>Modelling the impacts of road user charging in Australian cities</b> Daniel Veryard &amp; Audrey Mak Veitch Lister Consulting</p>	<p><b>Improving the lives of families with young children – Good transport planning can make a difference</b> Emma Forde Arup</p> <p><b>Driving change in a city centre: Perth's parking policy 20 years on</b> Alison Bunbury &amp; Michelle Prior Department of Transport, Western Australia</p> <p><b>Travel Behaviour Variation across Sydney</b> Isabella Kim, Kasun Wijayarathna &amp; Sisi Jian Cardno, UNSW</p> <p><b>Co-designing your region</b> Ellie Simpson, Julie Gee, Ben Cebuliak &amp; Matthew Dudley Transport for NSW</p>



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1.00pm - 2.40pm THURSDAY 1 AUGUST	<b>CONCURRENT SESSION 17</b> <b>Understanding Travel Patterns Better</b>  <b>An Analytics-Based Approach to Targeted Queue Protection and Road Safety</b> Ashish Dhanjee & Timothy Jennings SMEC Australia  <b>Data-of-Things: leveraging tech to enrich data collection</b> David Barnes TTM Consulting  <b>Suburban Shopping Centres - Changing Travel Patterns and Trip Generation</b> Benjamin James, Damien Bitzios & Vince Taranto Bitzios Consulting, Roads and Maritime Services NSW  <b>PBS and last-mile access - keep up the good work</b> Philip Roper & Peter Eady O'Brien Traffic	<b>CONCURRENT SESSION 18</b> <b>Planning to Influence Parking Demand</b>  <b>Right-sizing parking: An evolution of 'parking caps'</b> Jacob Martin Cardno  <b>Can high quality public transport support reduced car parking requirements for new residential apartments?</b> Chris De Gruyter, Elizabeth Taylor & Long Truong RMIT University, La Trobe University  <b>Park 'n' Ride in South East Queensland</b> Vincent Doran & Elizabeth Schofield Department of Transport and Main Roads QLD  <b>Prioritising demand management interventions at Park 'n' Ride sites in South</b> East Queensland Cathie Norton Arup	<b>CONCURRENT SESSION 19</b> <b>Modelling Data and Analysis</b>  <b>Employment Decentralisation in Sydney</b> Jessica Athayde, Dr Edward Robson & Dr Kasun Wijyaratna University of New South Wales  <b>If you build it, they will come: A practical guide to managing optimism bias in transport planning and modelling</b> Alan Kleidon & Mehdi Langroudi SMEC and Main Roads Western Australia  <b>Using big data to answer regional transport planning questions</b> Ben Cebuliak, Daniel Arthur & Roniga Hang Transport for NSW  <b>Behavioural impacts of automated and zero emission vehicles using the Melbourne Activity and Agent Based Model</b> Praveen Thakur & Renan Grace KPMG Australia	<b>CONCURRENT SESSION 20</b> <b>Managing Major Events</b>  <b>GC2018 Travel Demand Management - Fitting a square peg into a round hole</b> Matt Ryan, Lisa Marshall & Zoe O'Malley Jacobs, City of Gold Coast  <b>The importance of Network Intelligence and Transport Systems to the future of the Gold Coast</b> Alyson O'Rourke City of Gold Coast
	3.00pm - 4.20pm THURSDAY 1 AUGUST	<b>CONCURRENT SESSION 21</b> <b>Considering Autonomous Vehicles</b>  <b>Early adopters of autonomous vehicles: how important are travel needs, government policies and vehicle characteristics?</b> Sadaf Aminamansour, Simon P. Washington, Carlo G. Prato, & Zuduo Zheng The University of Queensland  <b>What will the role of the road network manager be with the advent of CAVS?</b> David Lowe Jacobs Group  <b>Pavement Markings for Machine Vision</b> Chris Jones & Julien Marr Austroads & WSP	<b>CONCURRENT SESSION 22</b> <b>New Findings on Transport Accessibility</b>  <b>Applications of Public Transport Accessibility Levels (PTAL) in Sydney</b> Sahan Wijyaratna, Yanni Huang & Kasun Wijyaratna Transport for NSW & UTS  <b>Using accessibility metrics to plan new public transport lines</b> Rafid Morshedi, John Trieu & Pete Davis WSP Australia  <b>Using Accessibility for Project Prioritization</b> Vipul Modi, Matt Pettit & Chad Tucker Citilabs, Virginia DOT	<b>CONCURRENT SESSION 23</b> <b>Emerging Trends in Modelling</b>  <b>The power of visualisation in connecting smart cities</b> Oliver Looker NGIS  <b>The development of a web-based visualisation platform for transport modelling</b> Nick Veitch & Laurie Nicol Indicatrix  <b>Traffic signal optimisation with reinforcement learning</b> Arash Kaviani WSP Australia



## 2019 CONCURRENT SESSIONS

	<b>FRIDAY WORKSHOP #2</b> <b>Smart City Planning Workshop</b> <b>Graham Currie with O-Bahn bus tour</b>	<b>FRIDAY WORKSHOP #3</b> <b>Transport and Land Use Modelling</b> <b>Forum with JD Hunt and Tom van Vuren</b>
<p><b>FRIDAY WORKSHOP #1</b> <b>Walking Tour in the City of Adelaide</b></p> <p><b>What types of cycleways attract cyclists</b> Graham McCabe Urbis</p> <p><b>Exploring Shared-bike Travel Patterns using Big Data from Chicago and Budapest; Implications for Adelaide</b> Ali Soltani, Tamas Matrai, Andrew Allan &amp; Stephen Berry University of South Australia; Budapest University of Technology and Economics</p> <p><b>Is sustainable transport only for latte-sipping inner city dwellers?</b> Sachin Prasad SMEC Australia</p> <p><b>Active transport implementation: is path dependence limiting change?</b> Karen Wright SGS Economics &amp; Planning/Swinburne University</p> <p><b>Opportunities and barriers to rail trail development in WA's south west</b> James Pearse &amp; Sarah Court WSP and Department of Transport (WA)</p> <p><b>Frome Street Bikeway</b> Paul Simons Tonkin</p> <p><b>Walking Tour in the City of Adelaide</b></p>	<p><b>Atherstone Smart City Precinct People Movement Study</b> Derrick Hitchens &amp; Rick Wylie SMEC Australia &amp; Key Options</p> <p><b>Mobility as a Service with Autonomous Vehicles in Regional Towns – the untold story</b> David Freer &amp; David Blair SMEC Australia</p> <p><b>Delivering the Sydney Clearways Program – Our Approach to Working with the Community</b> Hilary Johnson, Ben Shannon &amp; Sonia Jacenko Roads and Maritime Services</p> <p><b>Journey on a Set Back Bus Lane – Anzac Highway, Adelaide</b> Teresa Xavier, John Buckland &amp; Peter Herpich Department of Planning, Transport and Infrastructure</p> <p><b>Factors Influencing Public Transport Patronage for Work Trips: A Study within the Adelaide Metropolitan Area</b> Keyvan Pourhassan, Sharvari Bhuskute &amp; Sekhar Somenahalli University of South Australia</p> <p><b>North East Public Transport Study (NEPTS)</b> Leigh Dalwood, Raj Srithar &amp; Daniel Osborne Public Transport Program Alliance (PTPA)</p> <p><b>O-Bahn Bus Tour to Golden Grove</b></p>	<p><b>Land-Use/Transport Integration for Demand Modelling</b> Renlong Han Department of Transport, Western Australia</p> <p><b>Deja Vu All Over Again – Another Look at Australian Public Transport Trends</b> Steven Piotrowski &amp; Graham Currie SMEC &amp; Monash University</p> <p><b>One step closer to the future of transport: Modelling the effects of CAVs and shared mobility in strategic models</b> Lawrence Leung &amp; Aliasgar Inayathusein Veitch Lister Consulting</p> <p><b>Panel Session: All presenters Q&amp;A</b></p> <p><b>Milking life out of the old workhorse</b> Vikas Sharma SMEC Australia</p> <p><b>Google Maps Travel Time Data: How does it compare to other data sources?</b> Premraj Dorai Rajoo Jacobs Group</p> <p><b>Unexpected changes: how will we know where the malls are?</b> Anthony Fransos Arcadis Australia Pacific</p> <p><b>Variability in Traffic Counts and Implications for Traffic Modelling</b> Frank Milthorpe &amp; Mandy Liu Roads and Maritime Services</p> <p><b>Panel Session: All presenters Q&amp;A</b></p> <p><b>Young Professionals presentation</b></p> <p><b>Transport Modelling Network Wrap-Up</b></p>

9.00am - 2.00pm FRIDAY 2 AUGUST

9.20am - 4.40 pm FRIDAY 2 AUGUST