

DAY 1

TUESDAY, 30 OCTOBER				
8:15	REGISTRATION OPENS	LOCATION: Darwin Convention Centre Waterfront Rooms 1 and 2		
9:00	CONFERENCE OPENING AND WELCOME			
9:15	OPENING ADDRESS Mr Andrew Kirkman, CEO Department of Infrastructure, Planning and Logistics			
9:30	WELCOME TO COUNTRY			
9:45	KEYNOTE SPEAKER Andrew Higgins - CSIRO			
10:30	MORNING TEA			
11:00	Darwin Convention Centre FREIGHT AND LOGISTICS	CDU Waterfront Campus ITS, ADVANCED TECH AND AUTOMATION Room 3.21	CDU Waterfront Campus TRAFFIC ENGINEERING AND MANAGEMENT Room 3.20	CDU Waterfront Campus PLANNING AND POLICY Room 3.19
11:05	Understanding Bid-Price Generation for Road Freight Transport by Analysing Online Market Data Hendrik Braun and Doina Olaru Presented by: Sharon Biermann	Autonomous Vehicles Down Under: An Empirical Investigation of Consumer Sentiment Stephen Greaves, Brett Smith, Tony Arnold, Doina Olaru and Andrew Collins Presented by: Stephen Greaves	Walking Speeds for Timing of Pedestrian Walk and Clearance Intervals Long Truong, Ronny Kutadinata, Ian Espada, Trent Robinson, Jeremy Burdan, Frank Costa and Eason Lin	Social And Spatial Effect of Transforming Private Vehicle Fleet in Brisbane Tiebei Li, Jago Dodson and Neil Sipe
11:25	Estimating Freight Movements Using Dijkstra's Algorithm Surya Prakash and David Mitchell	New Technology Changing How we Achieve Service Realisation Katelyn Bywaters, Michelle Zeibots and Nathan Kirchner	Overtaking Behaviour on Rural Highways Under a Heterogeneous Traffic Environment: Evidence from a Developing Country S. M. Sohel Mahmud, Luis Ferreira, Md. Shamsul Hoque and Ahmad Tavassoli	Comparison of Melbourne Driving Characteristics with the NEDC and WLTC Peter Stasinopoulos, Nirajan Shiwakoti, Tobias Seidi and Alan Wong
11:45	An Advanced Method to Provide Best Route Information in City Logistics with Toll Roads Yishin Chen, Loshaka Perera and Russell Thompson	Redesigning Roadway Infrastructure for Mixed Autonomous and Non-Autonomous Traffic Ahsan Haider and Kasun Wijayaratna	Facilitating Network Operations Planning: A Case Study of the Vicroads Smartroads Framework Sarah Hussain, Alexa Delbosc and Amrik Sohal	Scientometric Analysis and Mapping of Transit-Oriented Development Studies (1994-2018) Zhao Hong Sun, Andrew Allan and Ali Soltani
12:05	Antecedents and Outcomes of Logistics Cluster Benefits – A Delphi Panel Method Shanta Hallock, Dr Vinh Thai, Dr Konrad Peszynski and Professor Prem Chhetri	Stated Preference for Design Mobility as a Service (MaaS) Broker/ Aggregator Contracts Yale Wong, David Hensher and Corinne Mulley	Development of On-Site Poster to Influence Pedestrian Jaywalking Behaviour Nirajan Shiwakoti, Richard Tay, Peter Stasinopoulos, Thomas De Sousa and Andrew Barber	Debate - "Do Transport Systems Really Deliver Agglomeration?" Supporting Team Leader: Sandy Fong, NZ Ministry of Transport Supporting Team Seconder: Ben Ellis, KPMG Opposing Team Leader: Brendan O'Keefe, Brisbane City Council Opposing Team Seconder: Neil Douglas, Douglas Economics
12:30	LUNCH			
13:30	Darwin Convention Centre TRANSPORT MODELLING, FORECASTING AND SIMULATION	CDU Waterfront Campus TRANSPORT ANALYSIS AND BIG DATA Room 3.21	CDU Waterfront Campus TRANSPORT ECONOMICS Room 3.20	CDU Waterfront Campus PUBLIC TRANSPORT Room 3.19
13:35	The Australian Market for On-Demand Transport Akshay Vij, Stacey Ryan, Spring Sampson and Susan Harris	Distinguishing Transfer from Activity Using Public Transport Fare Data Mona Mosallenejad, Sekhar Somenahalli, Akshay Vij and David Mills	Valuing Public Transport & Wayfinding Information Neil Douglas	Exploring the Use of Additive Manufacturing in Providing an Alternative Approach to the Design, Manufacture and Maintenance of Interior Rail Components Amy Killen, Lisa Fu, Selby Coxon and Robbie Napper

DAY 1 - CONTINUED

TUESDAY, 30 OCTOBER				
13:55	Addressing the Cause of the Problem and Not its Symptom: Road Congestion at Railway Stations William Guzman, Leslie Young and Konrad Peszynski	Efficient OD Matrix Estimation Based on Metamodel for Nonlinear Assignment Function David Masip, Tamara Djukic, Martijn Breen and Jordi Casas Presented by: Mohammad Saifuzzaman	Aviation Activity as a Leading Indicator of Economic Activity Mari Adams, Kyle Thomson and Karen Malam	Relationship Between Income and Commuter Use of Public Transport In Australia Afzal Hossain and Leanne Johnson
14:15	Traffic Signal Optimisation in Disrupted Networks Using a Semi-Dynamic Approach Dana Abudayyeh, Alan Nicholson and Dong Ngoduy	A Design Framework for Big Data Analysis in Railway Transport Jingyu Zhang, Andrew Padley, Yuqi Wang and Shiping Chen	An Alternative Approach to Estimate the Benefits of Investing in an Urban Rail Network Henry Le, Wee Liang Lim and Wai Yan Leong	TRAVEL BEHAVIOUR AND TDM Prospective Life Course and Mobility of Young Victorians Alexa Delbosc and Farhana Naznin
14:35	Understanding Incident Impact on Traffic Variables to Reduce False Incident Detection Mohammad Saifuzzaman, Tamara Djukic, Yaroslav Hernandez-Potomkin, Rafael Mena-Yedra, Emmanuel Bert and Jordi Casas	Novel Approach for OD Estimation Based on Observed Turning Proportions and Bluetooth Structural Information: Proof of the Concept Krishna Behara, Ashish Bhaskar and Edward Chung	Cost Benefit Analysis: The State of the Art in Australia Todd Denham and Jago Dodson	Debate - "Sydney has a better transport system than Melbourne" Supporting Team Leader: Matthew Jones, TfNSW Supporting Team Seconder: Sue Brouwers, TfNSW Opposing Team Leader: Professor Graham Currie, Monash University Opposing Team Seconder: Alexa Delbosc, Monash University
15:00	AFTERNOON TEA			
15:30	Darwin Convention Centre PLANNING AND POLICY	CDU Waterfront Campus TRAVEL BEHAVIOUR AND TDM Room 3.21	CDU Waterfront Campus ACTIVE TRANSPORT Room 3.19	
15:35	Alarming Trends in the Growth of Forced Car Ownership in Melbourne Graham Currie, Alexa Delbosc and Katerina Pavkova	The Brisbane River is a Mixed Blessing for Travel Behaviour And Commuting Emissions Victoria Lambert, Jake Whitehead and Kate O'Brien	Reversing Priority: An Investigation of Cyclist and Driver Behaviours at Cyclist Priority Intersections Joshua Hiscock and Marilyn Johnson	
15:55	Identifying Barriers in Shared Mobility Implementation, A Review Li Meng, Sekhar Somenahalli, Andrew Allan and Stephen Berry	Willingness to Participate in Travel Surveys: A Cross-Country and Cross-Methods Comparison Nina Verzosa, Stephen Greaves, Chinh Ho and Mark Davis	Development of a Bicycle Geometry Database to Facilitate Cycle Parking Convenience Robbie Napper and Sarah Roberts	
16:15	Alternative Approach to Estimating Crash Costs for Cost-Benefit Analysis Using Monte Carlo Simulation Surya Prakash	Shared-Mobility Experience In The City Of Adelaide: Insight From A Preliminary Study Ali Soltani, Thi Minh Phuong Nguyen and Andrew Allan	Families, Children and the Car: The Environmental Cost of Chauffeuring Children Hulya Gilbert, Johannes Pieters and Andrew Allan	
16:35	Why Smart Cities are so 2017 (And What this Means for Urban Transport Innovation) Matthew Burke	Unpacking Impacts of Car Sharing: Insights from a Qualitative Research Study in Melbourne, Australia Taru Jain, Geoffrey Rose and Marilyn Johnson	Exposure to Pollutants – Contribution of Daily Activities Daniela Crisan and Doina Olaru	
17:00	FINISH			
18:00	Wharf One NETWORKING EVENT 3/19 Kitchener Drive, Darwin Waterfront			

DAY 2

WEDNESDAY, 31 OCTOBER			
8:15	REGISTRATION OPENS	LOCATION: Darwin Convention Centre Waterfront Rooms 1 and 2	
9:00	PLENARY SESSION		
9:05	KEYNOTE - TRANSPORT SYSTEMS Penny Dillon - OPTUS		
9:45	KEYNOTE – DRIVEABOUT Clinton Hoffman - DriveAbout		
10:30	MORNING TEA		
11:00	Darwin Convention Centre PUBLIC TRANSPORT	CDU Waterfront Campus AVIATION AND MARITIME Room 3.21	CDU Waterfront Campus TRANSPORT, LAND USE AND URBAN DESIGN Room 3.19
11:05	Building Resilient and User-Centred Rail Carriage Designs for the Future: A Literature Review Lisa Fu, Selby Coxon and Robbie Napper	The Demand And Economic, Environmental & Social Impacts Of Australian Cruise Tourism Neil Douglas, Ben Ellis and Tom Frost	The Value Of Accessibility in Residential Property Renan Grace and Meead Saberi
11:25	Implications of Running Time Variability for Passengers and Operators – A Case Study Using Bondi's 333 Buses Mathew Hounsell	A Discussion About How Efficiently the Major UD Airlines are Using their Domestic Fleets of Boeing 737 800 Aircraft Nicholas Bardell and Hang Yue	Value Capture Or Infrastructure Charges? A Tale of Two Brisbane Transport Infrastructure Projects Bruce James
11:45	Valuing Public Transport Customer Amenities: A Survey of Practice Across Australasian and International Transit Agencies Chris De Gruyter and Graham Currie	The Significance of the Chinese Domestic Market for Narrow-Body Passenger-To-Freighter (P2F) Jet Aircraft Conversions Long Zhang, Nicholas Bardell and Glenn Baxter	Regional Fast Rail and Regional Development: Irrigation or Desertification? Todd Denham
12:05	Free Wi-Fi on Public Transport – Will it Make a Difference to Urban Travel? Joshua Dallimore and Sharon Biermann	TRANSPORT MODELLING, FORECASTING AND SIMULATION Consumer preferences for Mobility-As-A- Service (MaaS) in Australia Akshay Vij, Stacey Ryan, Spring Sampson and Susan Harris	Debate - "Light Rail is better than Bus Rapid Transit" Supporting Team Leader: Matthew Burke, Griffith University Supporting Team Second: Robbie Napper, Monash University Opposing Team Leader: Brendan O'Keefe, Brisbane City Council Opposing Team Second: Tom Frost, NineSquared
12:30	LUNCH		
13:30	Darwin Convention Centre PUBLIC TRANSPORT	CDU Waterfront Campus TRANSPORT ANALYSIS AND BIG DATA Room 3.21	CDU Waterfront Campus ACTIVE TRANSPORT Room 3.19
13:35	A New Way to Design Buses: A Methodological Framework for the Front End of Design Sarah Roberts, Robbie Napper and Selby Coxon	Development of Random Forests Regression Model to Predict Track Degradation Index: Melbourne Case Study Amir Falamarzi, Sara Moridpour, Majidreza Nazem and Samira Cheraghi	Bicycle Access to Railway Station: The Effects of Demography, Station Characteristics and the Built Environment Hesara Weliwitiya, Geoffrey Rose and Marilyn Johnson
13:55	Better Service Through Runtime Savings – Inner West Light Rail Case Study Mathew Hounsell	Levenshtein Distance for the Structural Comparison of OD Matrices Krishna Behara, Ashish Bhaskar and Edward Chung	Alternative Ways To Pay? A Review of Non- Government Sources to Fund Bikeways Abraham Leung
14:15	Improving Capacity Estimation of High Volume On-Street Bus Facilities with Yield-To-Bus Rule Faheema Hisham, Associate Professor Jonathon M. Bunker and Dr Ashish Bhaskar	TRANSPORT ECONOMICS Flood Immunity for a Road or Bridge: What Benefits it Can Bring to Road Users, Road Authority and Broad Community? Baojin Wang	INDUSTRY PRESENTATIONS Best Practice Approaches To Adaptation And Improving Resilience Of Road Infrastructure In Australia Tim Martin, ARRB
14:35	Inferring Socioeconomic Attributes of Public Transit Passengers Using Classifiers Hamed Farooqi, Mahmoud Mesbah and Jiwon Kim	Estimating the Value of Private Travel Time for NSW Neil Douglas and Matthew Jones	Estimation Of The Marginal Cost Of Road Wear On Sealed Queensland Roads And Unsealed Western Australian Roads Tim Martin, ARRB
15:00	AFTERNOON TEA		

DAY 2 - CONTINUED

WEDNESDAY, 31 OCTOBER		
15:30	KEYNOTE – POPULATION STRATEGY Ilan Satchwell – Department of the Chief Minister	LOCATION: Darwin Convention Centre Waterfront Rooms 1 and 2
16:00	KEYNOTE – HUMAN MOVEMENT Dr Jim Lee – Charles Darwin University	
16:30	FINISH	
18:30	Crocosaurius Cove ATRF CONFERENCE DINNER 58 Mitchell St, Darwin City (15 minute walk from the Darwin Waterfront, Dress Smart Casual)	



DAY 3

THURSDAY, 1 NOVEMBER			
8:15	REGISTRATION OPENS	LOCATION: Darwin Convention Centre Waterfront Rooms 1 and 2	
9:00	PLENARY SESSION		
9:05	KEYNOTE – MOBILE PHONE HOTSPOT TECHNOLOGY Dr Steve Rogers – Centre for Appropriate Technology		
9:45	KEYNOTE – TFNSW RESEARCH HUB Sherri Fields and Dr Sue Brouwers – Transport for NSW		
10:30	MORNING TEA		
11:00	Darwin Convention Centre PROFESSIONAL PRACTICE PAPERS	CDU Waterfront Campus PROFESSIONAL PRACTICE PAPERS Room 3.21	CDU Waterfront Campus INDUSTRY PRESENTATIONS Room 3.19
11:05	Developing the New Zealand Transport Data and Research Strategy Joanne Leung, Bonita Gestro and Sandy Fong	From Heritage to High-Tech: A Shared Path Story Jo Cruickshank	ICT Engineering and Drones Camille Fong Lim - SRA
11:25	Adapting Truck GPS Data for Freight Metrics Richard Green and David Mitchell	Incorporating Risk Factors in Transport Project Economic Evaluations Patrick Tsai, Luca Rosati and Chris Wilson	Towards Zero Jennifer Malone
11:45	Key Elements of City Shaping Projects: A Practitioner's Perspective Natalie Liew, Brendon Baker and Tim Crane	Human Generated Electricity for Transport, Communication and Sustainability Stephen Nurse	TBA
12:05	LUNCH		
12:50	CLOSING CEREMONY		
13:50	ATRF EXECUTIVE COMMITTEE		

