

PROGRAM

WEDNESDAY 28 SEPTEMBER	
8.00am - 5.00pm	Registration Desk Open Location: Ground Floor Foyer, Tonsley Campus, Flinders University
8.00am - 9.00am	Arrival Tea/Coffee & Networking Location: Room 1.01-1.03, Tonsley Campus, Flinders University
9.00am - 10.30am	Opening Plenary Chair: Rocco Zito Room: Theatre 1
9.00am - 9.15am	Acknowledgement of Country, Forum Welcome and Opening Address Professor Rocco Zito , Flinders University
9.15am - 10.15am	Opening Presentation - Beyond the BCR: Taking an outcomes focused approach to infrastructure assessment David Tucker , Chief of Investment Assessment, Infrastructure Australia
10.15am - 10.30am	Housekeeping
10.30am - 11.00 am	Morning Tea Location: Room 1.01-1.03, Tonsley Campus, Flinders University

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WEDNESDAY 28 SEPTEMBER (CONTINUED)				
Concurrent Session 1				
11.00am - 12.20pm	Session 1A: Advances in Transport Technology	Session 1B: Transport and Environment (Active Travel)	Session 1C: Rail Transport	Session 1D: Traffic Modelling <i>Sponsored by SIDRA Solutions</i>
	Room: Theatre 2	Room: 1.05	Room: 1.04	Room: Theatre 1
	Chair: Nick Holyoak	Chair: Alexander Paz	Chair: Lindsay Oxlad	Chair: Pedro Camargo
11.00am - 11.20am	Autonomous Vehicles and Ride-pooling: Insights from a qualitative study [14] Xiaolin Tang, The University of Western Australia	Can kerbside bicycle lanes increase cycling during a pandemic? A case study from Melbourne [64] Alexa Delbosc, Monash University	Exploring the relative performance of regional passenger rail in New South Wales and Victoria [10] Graham Currie, Public Transport Research Group, Monash University	[15] WITHDRAWN
11.20am - 11.40am	Public preferences for testing and trialling of CAV technologies [66] Ali Ardeshiri, UniSA Business School	The narrative change of sustainable practices: the implementation of bicycle lanes [81] Miguel Loyola, The University of Sydney	Forecast Accuracy of Recent Australian Passenger Rail Projects [41] Yadi Wang, The University of Sydney	Threshold-free Anomaly Detection on Traffic Flow Data with Reinforcement Learning [39] Dan He, The University of Queensland
11.40am - 12.00pm	Consumer preferences for different CAV technologies and service models [67] Akshay Vij, UniSA Business School	NIMBYs, YIMBYs & green bridges: Local attitudes towards large-scale active transport infrastructure on the Gold Coast, Australia [95] Madison Bland, Griffith University	Ridespace: Predicting short-term rail passenger crowding using Machine Learning [82] Sam Pardy, Department of Transport Victoria	Abnormality Detection in Urban Traffic Data: A Review [18] Neema Nassir, The University of Melbourne
12.00pm - 12.20pm	How are Australian cities preparing for Autonomous Vehicles? A systematic review of transport and planning policies [97] Sanaz Nikfalazar, Monash University		The Development of Rail Path Modelling [87] Don Wignall, Transport Futures	Online Traffic Incident Prediction with Hybrid Graph-based Neural Network and Continual Learning [90] Thanh Tran, The University of Queensland
12.20pm - 1.10pm	Lunch <i>Sponsored by NineSquare</i> Location: Room 1.01-1.03, Tonsley Campus, Flinders University			

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WEDNESDAY 28 SEPTEMBER (CONTINUED)				
1.10pm - 2.10pm	Plenary 2 Chair: Liz Ampt Room: Theatre 1			
1.10pm - 2.10pm	Connected technologies and the ability for accessibility Damian Hewitt , Head of Smart Cities and Future Mobility, SAGE Group Cassie Hames , Programmer, SAGE Automation			
2.10pm - 2.20pm	Room change time			
2.20pm - 3.40pm	Concurrent Session 2			
	Session 2A: MaaS and Shared Mobility	Session 2B: Road Safety	Session 2C: Public Transport	Session 2D: Freight and Logistics
	Room: Theatre 1	Room: 1.04	Room: Theatre 2	Room: 1.05
	Chair: David Hensher	Chair: Matthew Burke	Chair: Brendan O’Keeffe	Chair: Lindsay Oxlad
2.20pm - 2.40pm	Data in Mobility as a Service: A Real-World Trial in Queensland, Australia [63] Maisie Rahbar , The University of Queensland	Beyond Proximity: a child-friendliness index for local living policies in Australasian cities [57] Hulya Gilbert , La Trobe University	Where did all the passengers go? - transit commuter transitions through COVID-19 [38] Graham Currie , Public Transport Research Group, Monash University	The need for collaborative research to develop the transition path for hydrogen trucks in Australia [37] Andrew Tessler , BIS Oxford Economics
2.40pm - 3.00pm	Identifying MaaS schemes that maximise benefits to society through an economic appraisal framework [5] Samuel Mazzer , Hadron Group	Evidence for designing safer intersections for pedestrians using data analytics, video processing, and simulation [86] Bahman Lahoorpoor , The University of Sydney	Co-evolution of Sydney’s public transport access and demand [91] David Levinson , The University of Sydney	Evaluation of governments’ role in coping with city logistics problems [42] Russell Thompson , The University of Melbourne

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WEDNESDAY 28 SEPTEMBER (CONTINUED)				
2.20pm - 3.40pm	Concurrent Session 2 (continued)			
	Session 2A: MaaS and Shared Mobility	Session 2B: Road Safety	Session 2C: Public Transport	Session 2D: Freight and Logistics
	Room: Theatre 1	Room: 1.04	Room: Theatre 2	Room: 1.05
	Chair: David Hensher	Chair: Matthew Burke	Chair: Brendan O'Keeffe	Chair: Lindsay Oxlad
3.00pm - 3.20pm	Putting the user at the heart of decision making: A reflection on applying the double diamond to enhance understanding of the customer for Mobility as a Service [111] Chris Chinnock, Mott MacDonald	A comparative road safety study of seven Adelaide metropolitan high schools [83] Andrew Allan, University of South Australia	Investigation into public transport fare noninteractions using large-scale automatively collected data [19] Tianwei Yin, The University of Melbourne	Evaluating initiatives for improvement of urban freight deliveries: A case study of Sydney metropolitan area [71] Russell Thompson, The University of Melbourne
3.20pm - 3.40pm	The impact of high-occupancy lanes on the uptake of on-demand ridesplitting services [33] Elham Hajhashemi, The University of Melbourne	Can movement types provide better insights than DCA (Definitions for Coding Accident) for crashes involving pedestrians? [100] Sadia Afroza, Deakin University	Evidence of changes in travel behaviour after the introduction of a new transit mode: Canberra's light rail [94] Durba Kundu, The University of Sydney	Modelling rural freight [7] Robert Nairn
3.40pm - 4.00pm	Afternoon Tea Location: Room 1.01-1.03, Tonsley Campus, Flinders University			

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WEDNESDAY 28 SEPTEMBER (CONTINUED)				
4.00pm - 5.00pm	Concurrent Session 3			
	Session 3A: Transport Economics	Session 3B: Transport Surveys	Session 3C: Transport & Land Use	Session 3D: Traffic Modelling <i>Sponsored by SIDRA Solutions</i>
	Room: Theatre 1	Room: 1.05	Room: 1.04	Room: Theatre 2
	Chair: Andrew Tessler	Chair: Alexa Delbosc	Chair: Andrew Allan	Chair: David Hensher
4.00pm - 4.20pm	Productivity differentials for valuation of move to more (or less) productive jobs [108] Thao-Mi Bui, KPMG	Spatial Impacts of COVID-19 on Long Term Commuting in Melbourne [11] Graham Currie, Public Transport Research Group, Monash University	City-shaping transport for good in growth areas: A national agenda beyond the commuter car park [68] Matt Faber, Niobe Consulting	Network resilience analysis with large streams of mobility data and Open-Source software [43] Pedro Camargo, Outer Loop Consulting
4.20pm - 4.40pm	The economic value of stay time [29] Helen Ye, Aurecon	Designing a multi-year travel behaviour change program: lessons and opportunities [110] Liz Ampt, Concepts of Change	A methodological approach to field optimisation trials for wildlife monitoring in a longitudinal highway study [75] Christopher Johnson, Griffith University	Estimating Macroscopic Fundamental Diagram for Large-scale Urban Networks solely from probe vehicle trajectories [49] Elham Saffari, The University of Queensland
4.40pm - 5.00pm	Producer Surplus in Transport Economics [9] Robert Nairn	The case for qualitative methods in transport research [48] Jennifer Kent, The University of Sydney	An empirical model of land use and railway co-development in Sydney [50] David Levinson, The University of Sydney	Data-driven evaluation model of safety risks at signalised intersection [27] Neema Nassir, The University of Melbourne
5.00pm	Close Day One			
5.00pm - 6.30pm	Welcome Reception Location: Room 1.01-1.03, Tonsley Campus, Flinders University			

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8.00am - 5.00pm	Registration Desk Open Location: Ground Floor Foyer, Tonsley Campus, Flinders University			
8.00am - 9.00am	Arrival Tea/Coffee & Networking Location: Room 1.01-1.03, Tonsley Campus, Flinders University			
9.00am - 10.00am	Plenary 3 Chair: Liz Ampt Room: Theatre 1			
9.00am	Day 2 Welcome Lindsay Oxlad, Co-Chair, Local Organising Committee/ Lindsay Oxlad Consulting			
9.00am - 10.00am	Cities and future mobility Willem Snel , Technical Director, Cities and Future Mobility, Mott MacDonald			
10.00am - 10.10am	Room change time			
10.10am - 11.10am	Concurrent Session 4			
	Session 4A: Transport Economics	Session 4B: Transport Demand & Travel Behaviour	Session 4C: Public Transport	Session 4D: Traffic Modelling <small>Sponsored by SIDRA SOLUTIONS</small>
	Room: Theatre 1	Room: 1.04	Room: Theatre 2	Room: 1.05
	Chair: Patrick Tsai	Chair: David Levinson	Chair: Andrew Allan	Chair: Sekhar Somenahalli
10.10am - 10.30am	Urban Impacts of Accessibility - Brisbane's Green Bridges Program [55] Brendan O'Keefe , Brisbane City Council	Understanding Perceptions of Bus Service Attributes in Major Australian Capital Cities [30] Knowles Tivendale , Movement & Place Consulting	Public transport bunching: A critical review with focus on methods and findings for implications for policy and future research [77] Mustafa Rezaada , The University of Melbourne	What causes slow-down on two-way two-lane expressways? [20] Jian Xing , Nippon Expressway Research Institute
10.30am - 10.50am	Measuring Road Travel Time Reliability Benefits in Victoria [56] David Prentice , Victorian Department of Transport		Cashless Payments for Public Transport: a systematic review with learnings from early adopter cities [107] Matthew Burke , Griffith University	Demand and state estimation for perimeter control in large-scale urban networks [65] Sakitha Kumarage , The University of Queensland
10.50am - 11.10am	It's All Good: Considering negatives in the cost-benefit analysis framework [44] Anthony Vine and Tom Frost , NineSquared	Rail Replacement Bus Patronage: counting and forecasting [98] Kashish Katoch , Level Crossing Removal Project	An examination of an approach to assist transit in maintain political legitimacy by achieving reliability for passengers and efficiency for the public [24] Mathew Hounsell , University of Technology Sydney	Deep-learning methods for long-term traffic flow forecasting [25] Xiao Zheng , The University of Melbourne

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THURSDAY 29 SEPTEMBER (CONTINUED)				
11.10am – 11.40am	Morning Tea Location: Room 1.01-1.03, Tonsley Campus, Flinders University			
11.40am – 12.40pm	Concurrent Session 5			
	Session 5A: Transport and the Environment	Session 5B: Transport Demand and Travel Behaviour	Session 5C: Public Transport	Session 5D: Road Safety
	Room: Theatre 1	Room: 1.04	Room: Theatre 2	Room: 1.05
	Chair: Matthew Burke	Chair: Alexander Paz	Chair: Graham Currie	Chair: Jennifer Kent
11.40am – 12.00pm	Driving and charging an EV in Australia: A real-world analysis [80] Thara Philip, The University of Queensland	Developing a shopping destination choice model for people living in Metropolitan Melbourne [28] Annitta Lin, The University of Melbourne	The land use effects of public transport infrastructure: Coherence and divergence between subjective and objective assessments [51] Abdulrhman Gbban, Monash University	Optimising Random Breath and Drug Tests Scheduling in Networks [93] Hongjun Yu, The University of Sydney
12.00pm – 12.20pm	The emergence of EVs: the interaction between the electricity and transport sectors [74] Martin Chow, HoustonKemp	[101] WITHDRAWN	A Multi-Criteria Decision Analysis for selecting a bus-based transit corridor supporting transit-oriented developments (BTODs): an Australian case study [99] Munshi Nawaz, University of South Australia	How to think about road accidents - What happens and why - The initiating and reacting road users [22] Paul Hutchinson, The University of Adelaide
12.20pm – 12.40pm	New simulation tool of electric taxi services for analysis of charging infrastructure placement [32] Andrea Raith, University of Auckland		Case Study: Standard deviation as a reliability measure for public transport managed by headways [21] Mathew Hounsell, University of Technology Sydney	Traffic congestion and road safety in urban areas: an analysis of Melbourne [85] Long Truong, La Trobe University
12.40pm – 1.40pm	Lunch Location: Room 1.01-1.03, Tonsley Campus, Flinders University			
12.40pm – 1.40pm	Special Session: ATRF Futures - Standing Committee on Public Transport Room: 1.14 The ATRF Executive have been considering ways to expand and improve the way ATRF works. One idea is to run research topic standing committees to encourage good research in a specific field much like the model adopted at the US Transportation Research Board. This meeting is an open discussion of this idea which focuses on a Standing Committee on Public Transport Research. All who are interested are invited.			

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THURSDAY 29 SEPTEMBER (CONTINUED)				
1.40pm – 2.40pm	Plenary Session 4 Chair: Liz Ampt Room: Theatre 1			
1.40pm – 2.40pm	Building systems and infrastructure for tackling place-based inequities Prof Ingrid Burkett , Co-Director/Professor, Yunus Social Business Centre, Griffith University			
2.40pm – 2.50pm	Room change time			
2.50pm – 3.50pm	Concurrent Session 6			
	Session 6A: Social Issues in Transport	Session 6B: Transport Demand and Travel Behaviour	Session 6C: Active Travel	Session 6D: Traffic Modelling <i>Sponsored by SIDRA Solutions</i> 
	Room: 1.05	Room: Theatre 2	Room: 1.04	Room: Theatre 1
	Chair: Alexa Delbosc	Chair: David Hensher	Chair: Jennifer Kent	Chair: Andrew Allan
2.50pm – 3.10pm	Housing prices and transport policy in Canberra [8] Robert Nairn	A multi-objective optimization framework for assisted estimation of discrete choice models [58] Prithvi Bhat Beeramoole , Queensland University of Technology	How can economy theorems empower cycling infrastructure planners? [72] Li Meng , University of South Australia	Evaluating the effect of time-dependent utility on the performance of the route choice model [73] Chintan Advani , Queensland University of Technology
3.10pm – 3.30pm	Defining transport disadvantage in Perth: early findings [45] Sae Chi , The University of Western Australia	Frozen randomness at the individual utility level [70] Jan Zill , Veitch Lister Consulting	Assessing walkability in Bandar Sunway [88] Sekhar Somenahalli , University of South Australia	Multivariate Time-varying Kalman Filter Approach for Cycle-based Maximum Queue Length Estimation [60] Wanuji Abewickrema , The University of Queensland
3.30pm – 3.50pm	Exploring the Social Licence to Operate Buses in Australian Cities [31] Hesara Weliwitiya , Movement & Place Consulting	Beyond the inner ring: air, coach and train services to regional centres further from state capitals [35] Philip Potterton , Economic Connections	Valuing the Walk Environment [105] Matthew Jones , Transport for NSW	Development of alternative methods for road condition monitoring [96] Helena Angerer , Nuremberg Institute of Technology
3.50pm – 4.10pm	Afternoon Tea Location: Room 1.01-1.03, Tonsley Campus, Flinders University			

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THURSDAY 29 SEPTEMBER (CONTINUED)				
4.10pm – 5.10pm	Concurrent Session 7			
	Session 7A: Transport Economics	Session 7B: Advances in Transport Technology	Session 7C: Parking	Session 7D: Traffic Modelling <i>Sponsored by SIDRA Solutions</i>
	Room: Theatre 1	Room: 1.05	Room: 1.04	Room: Theatre 2
	Chair: Patrick Tsai	Chair: Matthew Burke	Chair: Andrew Allan	Chair: Sekhar Somenahalli
4.10pm – 4.30pm	Land use after ATAP O8 – suggestions for implementation and review [78] Alex Svanberg, Transport for NSW	The use of automated planning for the strategic management of transport systems in developing countries [16] Andrew Tessler, BIS Oxford Economics	Do apartment residents have enough car parking? Assessing car parking adequacy in Australian cities [84] Chris De Gruyter, RMIT University	Exploring factors influencing bus travel time on mixed traffic [92] Yaiza Montero-Lamas, Universidade da Coruña
4.30pm – 4.50pm	Local economic appraisal: A study in boundary effects [54] Lee Jollow and Kapil Kulkarni, RPS	Implementation of ZigBee-Based WSN to Enhance the Performance of SCATS-Compatible Intelligent Traffic Controllers [23] Hossein Parineh, The University of Melbourne	Perth Parking Policy: Towards 25 Years [106] Courtney Babb, Curtin University	Impact of human drivers on automated vehicles' traffic flow: An integrated driving simulator study [62] Saeed Mohammadian, The University of Queensland
4.50pm – 5.10pm	The re-emergence of transport costs as an influence on industrial location within a low carbon economy [47] Christopher Day, The University of Sydney	Road Safety Benefits with the Deployment of Vehicle Communication Technologies [26] Neema Nassir, The University of Melbourne		A cooperative eco-driving system for mixed traffic on urban roads [40] Zhiwei Yang, The University of Queensland
5.10pm	Close Day Two			
6.30pm – 11.00pm	Forum Dinner Location: Victoria Room, Hilton Adelaide			
6.30pm – 7.00pm	Pre-dinner drinks			
7.00pm – 11.00pm	Dinner Dinner Speaker: Joining the dots Dr Jane Lomax-Smith, Don Dunstan Foundation			

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8.00am - 9.00am	Arrival Tea/Coffee & Networking Location: Room 1.01-1.03, Tonsley Campus, Flinders University			
9.00am - 10.10am	Plenary Session 5 Chair: David Hensher Room: Theatre 1			
9.00am	Day 3 Welcome Nick Holyoak , Co-Chair, Local Organising Committee/Flinders University			
9.00am - 10.00am	Transforming transportation forecasting using the Internet of Things <i>Sponsored by Austroads</i> Nic Kaliszewski , Transport Analytics, SA Dept for Infrastructure and Transport			 <i>Austroads</i>
10.00am - 10.10am	Room change time			
10.10am - 11.10am	Concurrent Session 8			
	Session 8A: Transport Economics	Session 8B: Transport Models	Session 8C: Road Safety	Session 8D: Urban Traffic Issues
	Room: 1.04 Chair: Peter Tisato	Room: Theatre 1 Chair: David Hensher	Room: Theatre 2 Chair: Lindsay Oxlad	Room: 1.05 Chair: Brendan O'Keeffe
10.10am - 10.30am	Reflections on the formation and development of the ATRF, 1972 - 2022 [00] Derek Scrafton , University of South Australia	A practical approach to cost functions in large scale models: A case study from the Tactical Adelaide Model (TAM) [112] Mohammad Saifuzzaman , Aimsun	Spatial targeting method for road safety education to reduce fatal and serious injury crashes [34] Sekhar Somenahalli , University of South Australia	Impact of Speed Hump on Noise Pollution [103] Mohamed Jassim Haroon , Qatar University
10.30am - 10.50am		A scalable and flexible single-level framework for O-D matrix inference using IoT data [69] Wei Sun , University of South Australia	Sizing the road crash cost iceberg [109] Vartguess Makarian , Markarian Economics	Simulated Annealing for Modeling Crash-Counts [36] Zeke Ahern , Queensland University of Technology
10.50am - 11.10am			Driver Perception of Food Delivery Riders [104] Shabna Sayed Mohammed , Qatar University	
11.10am - 11.40am	Morning Tea Location: Room 1.01-1.03, Tonsley Campus, Flinders University			

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FRIDAY 30 SEPTEMBER (CONTINUED)	
11.40am - 1.00pm	Plenary 6: Closing Plenary Chairs: Lindsay Oxlad and Nick Holyoak, Co-Chairs, Local Organising Committee Room: Theatre 1
11.40am - 12.40pm	Awards Presentation
12.40pm - 12.50pm	Handover to ATRF 2023 Hosts
12.50pm - 1.00pm	Official Close
1.00pm - 1.45pm	Farewell Lunch Location: Room 1.01-1.03, Tonsley Campus, Flinders University

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