

Wednesday 16 November 2016

Start Time	End Time	Session							
8:00 AM	9:00 AM	Registration & welcoming tea and coffee Room: Exhibition Area							
9:00 AM	10:30 AM	Opening Ceremony Room: Grand Ballroom Main (Grand 1,2,3 & 4) Chairs: Peter Duncan, Board Chair, ARRB Group Gary Dolman, Head of Bureau, Bureau of Infrastructure, Transport and Regional Economics, Policy and Research Division, Department of Infrastructure and Regional Development Speakers: Michel Masson, Chief Executive Officer, Infrastructure Victoria John Merritt, Chief Executive Officer, VicRoads Providing conference feedback - Mark Davis, IPSOS							
10:30 AM	11:00 AM	Morning Tea Room: Exhibition Area							
11:00 AM	12:30 PM	ATRF Technical Sessions				ARRB Technical Sessions			
		Session 1.1	Session 1.2	Session 1.3	Session 1.4	Session 1.5	Session 1.6	Session 1.7	Session 1.8
		Public Transport 1Chair: Alexa Delbosc, Monash University	Transport SurveysChair: Mark Davis, IPSOS	Aviation/MaritimeChair: Nicholas Bardell, RMIT	Travel Behaviour ChangeChair: Brett Smith, The University of	Journey Management 1 / Traffic EngineeringChair:	Flood RecoveryChair: Paul Flanagan, Department of	Safe Systems 1Chair: Marcus James, Department of	Economic MethodsChair: Mark Harvey, Bureau of
		Room: Grand 3	Room: Grand 4	Room: Lake 3&4	Room: Element	Room: Grand 1	Room: Grand 2	Room: Lake 1&2	Room: Park
		Paper # 194	Paper # 21	Paper # 60	Paper # 55	Meeting community expectations - a framework for extending the Level of Service concept beyond congestion	Pavement Treatments and Lessons Learnt from the Flood Reconstruction Work in the Transport Network	Road diet safety - an Australian viewpoint	Sources and Uses of Vehicle Operating Costs and Associated Road User Cost Estimates in Australia
		Real-time Information System for Spreading Rail Passengers across Train Carriages: Agent-based Simulation Study	Smartphone-Based Travel Surveys: Where Are We Heading?	Australian maritime transport policy: what drives or constrains success?	'Gamification' in transport interventions	Peter Cairney ARRB Group (AUS)	Reconstruction Program (TRNP) in Queensland	Tariro Makwasha ARRB Group (AUS)	Cliff Naude ARRB Group (AUS)
		Sanghyung Ahn, Jiwon Kim,	Stephen Greaves, Richard Ellison and Nina Marie	Phil Potterton	Barbara T.H. Yen, Corinne Mulley, Matthew Burke and Simon Washington	Identification of Free Flow Condition on Two-Lane Intercity Highways under Heterogeneous Traffic conditions	Life cycle costing of rain and flood events in Queensland - case studies and network-wide implications	Drivers' Injury Severity in Single Heavy Vehicle Crashes on Melbourne Metropolitan Highways and Freeways	Comparative Case Study on Cost-Benefit Analysis for Toll Road Projects
		Paper # 21	Paper # 115	Paper # 134	Paper # 82	Amardeep Boora Institute of Technology	Andrew Becroft ARRB Group (AUS)	Sivanandan Balakrishnan RMIT University (AUS)	Sae Chi Queensland University of Technology (AUS)
		Information for travelling: Awareness and usage of the various sources of information available to public transport users in NSW	The Future Direction of Household Travel Surveys in Australia	Certification Challenges for Next Generation Avionics and Air Traffic Management Systems	TravelSmart to Work: Insights from voluntary travel planning with Perth workplaces	Evaluation of Traffic Signal Performance and Signal Failure Impact	A Statistical Analysis of Rapid Deterioration of Rutting and Roughness of Flood Affected Pavements in Queensland	Simulation of Pedestrian Safety Surrogate Measures	Modelling the Traffic and Economic Impacts of a Heavy Vehicle Bypass
		Conina Mulvey, Geoffroy	Li Shen, Sherri Fields, Peter Stopher and Yun Zhang	Eranga Batuwangala, Alessandro Gardi and Roberto	David Wake	Clarissa Han ARRB Group (AUS)	Masuda Sultana Griffith University (AUS)	Essam Radwan CATSS - University of Florida (USA)	Neil Douglas Douglas Economics (NZ)
Paper # 93	Paper # 217	Paper # 42	Paper # 17	Reporting empirical marginal costs in SCATS	Design and Remediation of the Mt. Morgan Range Section of the Burnett Highway following Cyclone Oswald	A new time-gap based intersection sight distance model to suit the Australian vehicle fleet	How assumptions influence the results of a cost benefit analysis		
The Urban public transport experience of Chinese tourists in Melbourne	Collecting transport and travel data in the Pacific Islands - Fiji's first national household travel survey	Some comments on the capabilities of the current generation of civil aircraft to satisfy the evolving strategy of airlines offering ultra-long-range passenger flights	Understanding public transport user behavior adjustment if public transport ceases - A qualitative study	Christian Chong-White RMS NSW (AUS)	Lambert Ezeajough OLD Dept of TMR (AUS)	David Cole OLD Dept of TMR (AUS)	Wayne Davies Building Queensland (AUS)		
Yang Yang, Graham Currie, Alexa Delbosc and Victoria Peel	Kate Mackay, Liz Ampt, John Richardson and Lui Naisara	Gleno Bastic and Nicholas	Duy Q. Nguyen-Phuoc, Graham Currie, Chris De Gruyter and William Mouw	Chris De Gruyter and William Mouw	David Cole OLD Dept of TMR (AUS)	David Cole OLD Dept of TMR (AUS)	Wayne Davies Building Queensland (AUS)		
Paper # 10	Paper # 16	Paper # 137	Paper # 133	Lunch					
Benchmarking public transport for international tourists in Queensland cities	Smartphone Technology and its Application for Collecting Travel Survey Information	An Interoperability Assessment Model for CNS/ATM	A study on the utilization of PNR lots in South East Queensland	Room: Exhibition Area					
Chris De Gruyter, Graham Currie, James Reynolds, Victoria	Tyler Ross	Eranga Batuwangala, Lanka Bogoda, Subramanian Ramasamy and Roberto	Bibhuti Sharma, Mark Hickman and Neema Nassir						
12:30 PM	1:30 PM								
1:30 PM	3:00 PM	ATRF Technical Sessions				ARRB Technical Sessions			
		Session 2.1	Session 2.2	Session 2.3	Session 2.4	Session 2.5	Session 2.6	Session 2.7	Session 2.8
		Public Transport 2Chair: Graham Currie, Monash	Transport Modelling 1Chair: Carlo Prato, The University of	Freight & Logistics 1Chair: Bill Young, Monash University	Australian Transport Assessment and Planning	Journey Management 2 / Congestion ManagementChair:	Asphalt Mix DesignChair: Peter Evans, QLD Dept of TMR	Pavement Management StrategiesChair: Ray Farrelly,	Linking Mobility and Safety Workshop: Paradigm Shift
		Room: Grand 3	Room: Grand 4	Room: Lake 3&4	Room: Element	Room: Grand 1	Room: Grand 2	Room: Lake 1&2	Room: Grand 5
		Paper # 186	Paper # 127	Paper # 143	Chair: Fiona Calvert	Measuring Excessive Congestion Delay and Travel Time Reliability Cost for Multi-modal Travels	The Implementation of Quality Assurance into the Quarry Industry	Age Models for Rural Arterials	Workshop Chairs:
		Forecasting Perth's public transport patronage: economic analysis and model development	Analysing functional connectivity and causal dependence in road traffic networks with Granger causality	High Productivity Vehicle Costs and Freight Policy Implications	Peter Tisato	Clarissa Han ARRB Group (AUS)	John Donbavand NZ Transport Agency (NZ)	Bayar Mohammed Swinburne University (AUS)	Chris Jurcic ARRB Group (AUS)
		Jan Wallis	Neil Douglas	John Dudgeon and Neil Findlay	Mark Harvey Ed McGeehan Anya Richardson	Network Performance Analysis for Perth Congestion Response	EME2 pavement and mix design in Queensland	Pavement Performance Modelling in a Maintenance Alliance	Amir Sobhani VicRoads (AUS)
		Paper # 117	Paper # 65	Paper # 185	Anya Richardson	Paul Bennett ARRB Group (AUS)	Laszlo Petho and Peter Bryant ARRB Group (AUS) and QLD Dept of TMR (AUS)	Paul Robinson and David Paine Opus International Consultants	Stimulating the interest in the benefits of greater transport integration, through coordination of planning efforts in road safety and road network operations (mobility).
		Passenger Preferences for Surface versus Underground Travel	Modelling diversion plans during extensive disruptive events	Incorporating Local Delivery Facilities in Inner Melbourne to Alleviate Impacts of Last Kilometre Freight	Smart transports for public services in remote Australia	Bruno Spandonide Flinders University (AUS)	Development of Mix Specific Modulus Master Curves and Fatigue Models for Asphalt Pavement Design	The impact of maintenance on unsealed road conditions	Bringing together leading experts and decision makers to discuss practical ways of recognising mutual benefits.
		Neil Douglas	Arash Kavian, Russell G.	Kilometre Freight	What a Difference a Road Makes?	Bruno Spandonide Flinders University (AUS)	Erik Denneman and Peter Bryant	Lith Choumanivong ARRB Group (AUS)	The workshop will explore concepts where mobility improvements benefit safety, and where safety improvements benefit mobility.
Paper # 212	Paper # 218	Paper # 187	Paper # 4	Fatigue prediction of Australian EME2 mixes	Bevan Sullivan Fulton Hogan (AUS)	A review of Long Term Pavement Performance Monitoring in Western Australia			
Developing a Suite of Demand Parameters for Inner Sydney Public Transport	Modelling and Optimising Fuel Consumption in Traffic Assignment Problems	Optimal location of open access urban container terminals under elastic cargo demand	Heavy Vehicle Management: Mohammed Al Eisaei, Sara Moridpour and Richard Tay	Fulton Hogan (AUS)	Hossein Asadi GHD (AUS)				
Neil Douglas and Matthew Jones	Andrea Raith, Clemens Thielen and James Tidswell	Collins Teye, Michael G H Bell and Michael C Bliemer							
Paper # 56	Paper # 199	Paper # 4							
Making Melbourne's public transport network multi-directional: Can the associated accessibility boost mobilise latent potential for ridership and city-building?	Heterogeneous Substitution Patterns based on Current Mode Choice								
Jan Scheurer, Carey Curtis and A	Ying Huang, Brett Smith and Doina Olaru								
3:00 PM	3:30 PM								
3:30 PM	5:00 PM	ATRF Technical Sessions				ARRB Technical Sessions			
		Session 3.1	Session 3.2	Session 3.3	Session 3.4	Session 3.5	Session 3.6	Session 3.7	Session 3.8
		Active Transport 1Chair: John Stone, The University of Melbourne	Transport Modelling 2Chair: Jiwon Kim, The University of Queensland	Transport and Land UseChair: Doina Olaru, The University of Western Australia	Linking Mobility and Safety Panel Session: Research Innovation	Journey Management 3 / MobilityChair: Dave Jones, RACV	Bituminous BindersChair: Kym Neaylon, Opus Research	Safe Systems 2Chair: Mary Lydon, ARRB Group	Issues and Development in Cost Benefit Analysis (CBA) Workshop
		Room: Grand 3	Room: Grand 4	Room: Park	Room: Grand 5	Room: Grand 1	Room: Grand 2	Room: Lake 1&2	Room: Lake 3&4
		Paper # 45	Paper # 176	Paper # 57	Chair: Amir Sobhani	Development of Non Mandatory Activity Generation Model System of Non Workers Using Artificial Neural Network	The performance of polymer modified bitumen in relation to bitumen quality	Comparing the Injury Severity of the Target and Striking Vehicles in Two Vehicle Crashes	Chair: Ed McGeehan VicRoads (AUS)
		Robust Capacitated Bike Station Location Design	A multi-modal traffic operations gap analysis of the land transport network in Adelaide	Investigating the public transport use and transport disadvantage in a low density environment	Speakers: Graham Currie Simon Washington Michael Regan William Young	Anu P. Alex College of Engineering	Khoa Vo Fulton Hogan (NZ)	William Young Monash University (AUS)	
		Chin Sum Shui	Kun Zhang and Zhimin Ma	Yogi Vidvattama and Hitomi	Is Australia ready for Mobility as a Service?	Andrew Somers Transpotim (AUS)	Mixture and rheological performance of asphalt binders blended with Cecabase warm mix additive	Development and application of the World Road Association (PIARC) Road Safety Manual	
		Paper # 182	Paper # 220	Paper # 121	Roads are places too! Developing a multi-modal movement and place evaluation framework for New South Wales.	Changes in Australian Bitumen: Are they real and what can we do about it?	Meor Othman Hamzah Highway Research & Training Centre (MY)	Blair Turner ARRB Group (AUS)	
		Is bicycle sharing for her? Unpacking the gender dimension of Brisbane's CityCycle Scheme	Reducing risk in Toll-facility forecasting	Bus Rapid Transit and features of land use distribution: a case study of Brisbane	Auckland shared zones: Design solution for urban mobility in activity centres	Greg White University of the Sunshine Coast (AUS)	Safety Ratings of Complex Pedestrian Routes in Dhaka Metropolitan City	Mr. Md. Mosabbir Pasha University of Queensland (AUS)	
		Iderlina Mateo-Babiano, Jonathan Corcoran and Richard	Robert Nairn	Svitlana Pyrohova, Mark Hickman and Zhen-Liang Ma	Pragati Vasisht and Aut Karnacharuk Auckland Transport (NZ) and ARRB Group	Steve Bagshaw Opus Research (NZ)			
Paper # 207	Paper # 136	Paper # 161							
Designing a bike share system: An evidence based approach	Estimating the value of congestion under road pricing schemes	Bus based transit oriented development (BTOD): Opportunities and challenges for low density, car dependent Australian cities.							
Elliot Fishman and Martin von Wyss	Carlo Giacomo Prato and Thomas Baccarone								
Paper # 228	Paper # 176								
EBike Performance in Urban Commuting. How does it compare to Motorised Modes?	Shortest Path Navigation Algorithm for Driverless Plug-in Electric Vehicles								
Andrew Allan	Xiang Zhang, David Rey, Nan Chen and S. Travis Waller								

Day 1 Conference close

Thursday 17 November 2016

Start Time	End Time	Session						
8:00 AM	9:00 AM	Registration & welcoming tea and coffee Room: Exhibition Area						
9:00 AM	10:30 AM	Plenary Session Infrastructure Resilience and Adaption to Extreme Events Room: Grand Ballroom Main (Grand 1,2,3 & 4) Chairs: Caroline Evans, Senior Economist Transport Policy, Planning Management, ARRB Group Assoc Prof Matthew Burke, Associate Professor, Griffith University Speakers: Christian Axelsen, Research & Design Academic Specialist, Danish Road Directorate Michael Nolan, Chair of the United Nations Global Compact Cities Programme Miles Vass, Deputy Director-General Infrastructure Management and Delivery, Queensland Department of Transport and Main Roads						
		Morning Tea Room: Exhibition Area						
11:00 AM	12:30 PM	ATRF Technical Sessions				ARRB Technical Sessions		
		Session 4.1	Session 4.2	Session 4.3	Session 4.4	Session 4.5	Session 4.6	Session 4.7
		Public Transport 3Chair: <i>Iderlina Mateo Babiano, The University of Queensland</i>	Big Data 1Chair: <i>Matthew Burke, Griffith University</i>	Freight & Logistics 2Chair: <i>Samatha Taylor, ARRB Group</i>	Transport Economics Chair: <i>Stephen Troughton, ARRB Board</i>	Low Volume Roads Chair: <i>Mark Bondietti, WALGA</i>	Climate Change Adaption Workshop	Congestion Cost and Travel Time Reliability Workshop
		Room: Grand 3	Room: Grand 4	Room: Lake 3&4	Room: Grand 1	Room: Grand 2	Room: Element	Room: Lake 1&2
		Paper # 113 Determining Route Choice Behaviour of Public Transport Passengers Using Bayesian Statistical Inference Mohadeseh Rahbar, Mahmoud Mesbah, Mark Hickman and Ahmad Tavassoli	Paper # 153 Urban transport system: Large scale multiclass modelling; challenges, opportunities and future trend Majid Sarvi, Saeed Asadi Bagloee, Abbas Rajabifard and Russell Thompson	Paper # 13 Estimating levels of service (LOS) for freight on rural roads Tim Martin, Thorolf Thoresen and Ulysses Ai	Paper # 104 Methodologies used for economic appraisals of road safety educational or informational campaign programs in NSW Baojin Wang and Julieta Legaspi	Design and Management Considerations for Low Volume Local Roads Michael Savage IPWEA (AUS)	Chair: Caroline Evans ARRB Group (AUS) This workshop will be based on the CEDR Task Group – Climate Change mitigation and adaptation It is recognised that across Europe there is a need for National Road Administrations to have a strategy for the implementation of climate change adaptation. This involves the development of such a strategy for roads, which encourages adaptation activities to become an integrated part of the organisation, from planning a road to operation and maintenance.	Chairs: Clarissa Han ARRB Group (AUS) Kath Johnston QLD Dept of TMR (AUS) The objective of this workshop is to share the jurisdictional experience of measuring congestion cost and travel time reliability cost amongst Australian and New Zealand road agencies. Invited experts from QLD TMR, BTRE, TfNSW, MRWA, RMS NSW and VicRoads will talk about recent updates on methodology, application case studies and various data source consideration for multi-modal road users in different road classes.
		Paper # 183 Cognitive Mapping of Transit Transfer Point: A New Approach to Understand Transfer Behaviour Jason Chia, Jinwoo Brian Lee and Jung Hoon Han	Paper # 205 Short-term Forecasting of Peak Spreading in Urban Rail Transit Demand Ruimin Li, Lee Rushton and Matthew Jones	Paper # 84 Agricultural freight supply chain coordination Jon Frew and Matthew Hall	Paper # 226 Economic appraisal of clearways in NSW Julieta Legaspi, Natalie Liew and Baojin Wang	An Absolute Deterministic Model for Permanent Deformation of Low Volume Flexible Pavements Nahla Alaswadko Swinburne University (AUS)		
		Paper # 35 Improving synchronized transfers in public transit networks using real-time tactics Zhongjun Wu, Graham Currie and Wei Wang	Paper # 221 Monitoring Transit-Serving Areas with Smartcard Data: A Brisbane Case Study Jiangping Zhou, Neil Sipe, Derlie Mateo-Babiano and Zhen-Liang Ma	Paper # 79 Regional first and last mile freight pilot project Steve Manders, Craig Gorlick and Scott Britton	Paper # 76 Demonstrating the benefit of network operations activities Bevan Wilmhurst, Ian Wallis and Tyler Ross	Deterioration Model for Low Volume Roads in Southern Queensland Based on IRI Hossein Jafari Ahangari ARRB Group (AUS)		
Paper # 54 A New Method for Improving Temporal Integration in Transit Systems: A Case Study of Adelaide O-Bahn Vahid Poorjafari, Wen Long Yue and Nicholas Holyoak	Paper # 103 How close the models are to the reality? Comparison of Transit Origin-Destination Estimates with Automatic Fare Collection Data Ahmad Tavassoli Hojati, Azalden Alsgar, Mark Hickman and Mahmoud Mesbah	Paper # 9 An Optimal Cane Delivery Scheduling using the Monte Carlo Method Surya Prakash and Anjeela Jokhan	Paper # 181 Wider Economic Benefits – When and if they should be used in evaluation of transport projects? Brendan O'Keefe and Neil Douglas					
Lunch Room: Exhibition Area								
12:30 PM	1:30 PM	ATRF Technical Sessions		ARRB Technical Sessions				
1:30 PM	3:00 PM	Session 5.1		Session 5.2	Session 5.3	Session 5.4		
		ATRF and ARRB Poster Presentations		Surfacings Chair: <i>Erik Denneman, AAPA</i>	Emerging Issues in Transport Technology Chair: <i>Rita Excell, ADVI</i>	Stabilised Materials Chair: <i>David Jones, University of California Research Centre</i>	Movement & Place Workshop	
		Room: Grand 5		Room: Grand 3	Room: Grand 1	Room: Grand 2	Room: Lake 1&2	
		A dedicated session for all poster presentations, where delegates can view the posters and ask presenters/authors questions. Coordinated by ATRF, and includes poster presentations from both ATRF and ARRB Refer to page 4 of the program for a full list of posters Proudly sponsored by Monash University		Are more road trains good for sprayed seals? Kym Neaylon Opus Research (NZ)	Legal Liability For Accidents Involving Autonomous Vehicles Tania Leiman Flinders University (AUS)	Design and performance of foamed bitumen stabilized granular pavements Geoff Jameson ARRB Group (AUS)	Chairs: Andrew Wall VicRoads (AUS) Graham Currie Monash University (AUS)	
				Hertfordshire Skid Resistance Strategy Renée Schicker and Robert Swears Opus International Consultants (NZ)	New Personal Transport Devices: Safety and Regulations Rebekah Smith RACV (AUS)	Incorporating the benefits of mechanical stabilization of unbound layers into a Mechanistic-Empirical analysis tool to improve permanent road performance. Tim Oliver Tensar International (UK)	Please note this workshop will be run over two 90 minute sessions. Delegates will be given the opportunity to participate in either or both sessions (1.30 pm to 3.00pm and 3.30 pm to 5.00 pm) There will be an opportunity to break at afternoon tea, which will located in the Exhibition area.	
		Wet Weather High Visibility Line Marking Trial Santosh Tripathi and David Milling QLD Dept of TMR (AUS) and ARRB Group (AUS)	Does your car have worms? Cyber-physical security and transport networks Glenn Geers ARRB Group (AUS)	Evaluation of recycled aggregate treated with dry powder polymer and lime Cameron Hopkins University of South Australia (AUS)				
			Vehicle Route Reconstruction from Mobile Source Data - A map-matching algorithm harnessing open source software Pedro Camargo Veitch Lister Consulting (AUS)	The use of Insoluble Dry Powder Polymer & Marginal Material on a mining haul road from a design and construction perspective. Richard Yeo ARRB Group (AUS)				
3:00 PM	3:30 PM	Afternoon Tea Room: Exhibition Area						

		ATRF Technical Sessions			ARRB Technical Sessions			
		Session 6.1	Session 6.2	Session 6.3	Session 6.4	Session 6.5	Session 6.6	Session 6.7
3:30 PM	5:00 PM	Active Transport 2 Chair: Brendan O'Keefe, Brisbane City Council	Big Data 2 Chair: Barbara Yen, Griffith University	Safety 1 Chair: Nirajan Shiwakoti, RMIT University	Road Design Chair: Neil Doyle, NADAPT Pty Ltd	New Techniques in Asset Management Chair: Andrew Golding, QLD Dept of TMR	Pavement Performance 1 Chair: John Donbavand, NZTA	Movement & Place Workshop
		Room: Grand 3	Room: Grand 4	Room: Lake 3&4	Room: Element	Room: Grand 1	Room: Grand 2	Room: Lake 1&2
		Paper # 52 Neighbourhood Attributes towards Active Transportation Tayebeh Saghapour, Sara Moridpour and Russell Thompson	Paper # 23 Data envelopment analysis (DEA) based transit route temporal performance assessment Tran Khac Duong, Ashish Bhaskar, Jonathan Bunker and Boon Lee	Paper # 37 Investigating the Effects of Exposure and Network Characteristics on Non-Motorized Crash Frequency Using Random Parameter Model Richard Amoh-Gyimah, Meead Saberi and Majid Sarvi	Development of an analytical method for safe system assessment of intersection design Chris Jurewicz ARRB Group (AUS)	Reliability Centred Maintenance for Intelligent Transport Systems Qudus Wazirzada RMS NSW (AUS)	A User Guide for Calculating the Cost of Road Wear on Sealed Local Roads Mark Bondietti WALGA (AUS)	Chairs: Andrew Wall VicRoads (AUS) Graham Currie Monash University (AUS) Continued...
		Paper # 59 Active Deserts: Alice Springs as a world-class non-motorised transportation town Bruno Spandonide, Nicholas Holyoak and Branko Stazic	Paper # 30 Observing and reconstructing aggregated dynamic route choice patterns for large-scale mixed networks Mehmet Yildirimoglu and Nikolas Geroliminis	Paper # 83 Spatial and Temporal Distribution of Pedestrian Crashes in Melbourne Metropolitan Area Alireza Toran Pour, Sara Moridpour, Abbas Rajabifard and Richard Tay	Development of a Small Intersection Evaluation (SIE) Tool Cliff Naude ARRB Group (AUS)	Heads in the cloud: Improving road data collection and project management outcomes through cloud-based solutions. Stuart Lowe ARRB Group (AUS)	Deriving benefit-cost ratios for road maintenance spending from an optimisation model Mark Harvey Bureau of Infrastructure (AUS)	
		Paper # 94 Walkability index: A review of existing indices Anurodh Khanal and Iderlina Mateo-Babiano	Paper # 72 Using Delaunay triangles to build desire lines Pedro Camargo	Paper # 85 Influence of social and economic characteristics on pedestrian crash severity at mid-blocks Alireza Toran Pour, Sara Moridpour, Richard Tay and Abbas Rajabifard	Relationship between intersection geometric characteristics and crash occurrence Nasreen Hussein Swinburne University of Technology (AUS)	NSW Roads and Maritimes' Experience with Traffic Speed Deflectometer Technology Michael Ives RMS NSW (AUS)	Potential Causes of Top-down Cracking of Australian Runway Surfaces Greg White University of the Sunshine Coast (AUS)	
		Paper # 209 Urban Form and Wayfinding: a Review of Cognitive and Spatial Knowledge for an Individual's Navigation Sima Vaez, Matthew Burke and Tooran Alizadeh	Paper # 166 Graph-based Analysis of City-wide Traffic Dynamics using Time-evolving Graphs of Trajectory Data Jiwon Kim, Kai Zheng and Sanghyung Ahn	Paper # 206 Assessing four key countermeasures addressing major pedestrian fatal and serious injury problems in Victoria, Australia Amir Sobhani, Chris Jurewicz, Tariro Makwasha, Hafez Alavi and Michael Nieuwesteeg	The Safe System Hierarchy of Control Framework for Local Roads Arjan Rensen ARRB Group (AUS)	Measuring road roughness (horses for courses) Richard Wix ARRB Group (AUS)	Connecting with our customers through simple and meaningful pavement performance measures Liam Terris RMS NSW (AUS)	
5:00 pm	6:00 pm	ATRF Special session - Behaviour Change Roundtable Room: Park Convening: Liz Ampt Facilitating: Liam Smith						
Day 2 Conference close								
6:00 PM	10:00 PM	Official 38th ATRF & 27th ARRB Conference Dinner Pre drinks at 6.00pm Doors open at 6.45pm for a 7.00pm start Location: The Park Function Centre, 36 Lakeside Drive Albert Park (across the street from conference venue) Speaker: Gary Liddle, Enterprise Professor - Transport, Melbourne University						

Start Time		End Time		Friday 18 November 2016															
8:00 AM		9:00 AM		Registration & welcoming tea and coffee Room: Exhibition Area															
9:00 AM		9:00 AM		Plenary Session Disruptive Technologies in Transport Room: Grand Ballroom Main (Grand 1,2,3 & 4) Chairs: Gerard Waldron, VICE President of FEHRL Fiona Calvert, Director Transport Information and Analysis, Department of Economic Development, Jobs, Transport and Resources Speakers: Dr Kirsten Dunlop, Executive General Manager Strategic Innovation, Personal Insurance, Suncorp Assoc Professor Hussein Dia, Transport Engineering, Swinburne University Tony Braxton-Smith, Deputy Secretary, Customer Services Division, Transport for New South Wales															
10:30 AM		10:30 AM		Morning Tea Room: Exhibition Area															
11:00 AM		11:00 AM		ATRF Technical Sessions				ARRB Technical Sessions											
				Session 7.1 Advanced Technologies 1 Chair: Simon Washington, Queensland Room: Grand 3 Paper # 67 Machine Learning Approach for Adaptive Eco-Speed Control Hasitha Gamage and Brian Lee		Session 7.2 Transport Infrastructure: Land use, Planning & Policy Chair: Paper # 40 Room: Grand 4 Paper # 173 Light Rail Development in Australia Eric Keys		Session 7.3 Public Transport 4: Design Chair: Selby Coxon, Room: Lake 3&4 Paper # 173 Evaluating accessibility provisions for existing rail station platforms in Melbourne, Australia Vincent Moug, Dr Selby Coxon, Dr Robbie Napper		Session 7.4 Australian Driverless Vehicle Initiative Special Session Room: Grand 1&2 This session is dedicated to the Australian Driverless Vehicle Initiative. It will involve ADVI partners guest speakers to discuss recent activities and provide industry updates. This session is dedicated to the Australian Driverless Vehicle Initiative. It will involve ADVI partners guest speakers to discuss recent activities and provide industry updates. Speakers include: Adjunct Professor Michael Regan, ARRB Group – Human Factors Mr Brian Haratsis, MacroPlan – Economic Impacts Mr Greg Bosnich, Volvo Australia – Vehicle Technology Mr Peter Damen, ADVI – Transport Planning Mr Pat Walker, RAC WA – Public Policy		Session 7.5 and Structures Chair: Richard Yeo, Room: Park Factors with significant influence negative influence on the quality and durability of concrete construction for major infrastructure Fred Andrews-Phaedonos VicRoads (AUS)		Session 7.6 Impact of Heavy Vehicles Chair: Eric Henderson, VicRoads Room: Lake 1&2 National Steer Axle Mass Limits Anthony Germanchev ARRB Group (AUS)		Session 7.7 Remote Area Roads and Travel Workshop Room: Element Please note this workshop will be run over two 90 minute sessions. The purpose of the workshop is to identify opportunities to improve transport and travel in both Remote and Urban travel and transport, by challenging thinking on what can and can't work in one situation or the other. This first session will focus on things that work in urban areas which might have potential for remote areas. There will be an opportunity to break at afternoon tea, which will be located in the Exhibition area.			
12:30 PM		1:30 PM		Lunch Conference Thank You's - Staging area in the Exhibition hall															
1:30 PM		3:00 PM		ATRF Technical Sessions				ARRB Technical Session											
				Session 8.1 Advanced Technologies 2 Chair: Andrea Raith, The University of Auckland Room: Grand 1&2 Paper # 208 Driverless vehicles, congestion and policy responses Elliot Fishman and Liam Davies		Session 8.2 Congestion Relief Chair: Alan Nicholson, University of Canterbury Room: Grand 4 Paper # 128 New Methods Exploring Urban Transport Congestion Using Lorenz Curves Katerina Pavkova, Graham Currie and Alexa Delbosco		Session 8.3 Transport Policy Chair: Geoff Rose, Monash University Room: Lake 3 & 4 Paper # 87 An evaluation of ex-ante appraisals of Australian transport infrastructure projects Marion Terrill, Brendan Coates and Lucille Danks		Session 8.4 Safety 2 Chair: Amir Sobhani, VicRoads Room: Grand 5 Paper # 202 A Logistic Regression Model of Factors Affecting Bicycle Serious and Fatal Injury Crashes in Victoria, Australia Sareh Bahrololoom, Sara Moridpour and Richard Tay		Session 8.5 Freight and Mobility Chair: Kevin Reid, ARRB Board Room: Grand 3 Influence of Heavy Vehicle Restriction Strategies on Urban Corridors Mohammed Al Eisaei RMIT University (AUS)		Session 8.6 Bridges and Structures Chair: Richard Yeo, Austroads Room: Park Malvern Hills Small Bridge Replacements Mark Chamberlain Selwyn District Council (NZ)		Session 8.7 Pavement Performance 2 Chair: Mick Savage, IPWEA NSW Room: Lake 1&2 A Statistical Approach to Quality Control and Acceptance Delivers Performance and Value Bryan Pidwerbesky Fulton Hogan		Session 8.8 Remote Area Roads and Travel Workshop Room: Element Please note this workshop will be run over two 90 minute sessions. The purpose of the workshop is to identify opportunities to improve transport and travel in both Remote and Urban travel and transport, by challenging thinking on what can and can't work in one situation or the other. This second session will focus on concepts that work well in remote areas which may have benefit in urban areas. There will be an opportunity to break at afternoon tea, which will be located in the Exhibition area.	
3:00 PM		4:00 PM		ATRF Conference Closing Session Session chair: Professor Gary Dolman Grand 1 & 2 Includes paper prizes and announcement of 2017 venue				Day 3 ARRB Conference Close											
4:00 PM		4:00 PM		Day 3 ATRF Conference Close															

ATRF - ARRB Joint Poster Session

Thursday 17 November 2016 1:30 - 3:00 PM Room: Grand 5

Poster number	Paper Title	Authors	Conference	Paper number
A-1	Simulation-Optimization model applied on a closed loop railroad transportation system	Pedro Camargo and Claudio Cunha	ATRF	69
A-2	Viability of high speed rail alternatives in southern India	Leonard Johnstone and Vatanavongs Ratanavaraha	ATRF	44
A-3	A Bottleneck Investigation on Escalator Entrance at the Brisbane Central Train Station	Fatma Al Widyana, Nathan Kirchner, Ahmed Al-Ani and Michelle Zeibots	ATRF	131
A-4	The Challenges of Transitioning Navigation Habits into Systems: Case of the Mumbai Rail Network	Mandar Rane, Braj Bhushan, Jaikishan Patel, Kalagouda Patil and Hriday Gami	ATRF	145
A-5	Factors contributing to variability in use of bicycle parking facilities at Melbourne metropolitan railway	Hesara Weliwitiya, Geoffrey Rose and Marilyn Johnson	ATRF	122
B-1	Design and Feasibility Analysis of Personal Rapid Transit Network for an Indian Heritage City	Jayvant Choudhary and Anshuman Sharma	ATRF	168
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