

TAKING FLIGHT FOR THE FUTURE

HEAD WEST FOR NEW FRONTIERS



INTERNATIONAL PUBLIC WORKS CONFERENCE



Sunday, 20 August 2017





1500 - 1945	Registration Open	Central Foyer
1700 - 1800	International Delegates & Under 35's Welcome (by invitation only)	Bellevue Lounge
1800 - 2000	Welcome Reception Sponsored by Complete Urban Official Welcome to Western Australia by the Hon David Templeman MLA WA Minister for Local Government; Heritage; Culture and the Arts	Exhibition Hall COMPLETE

Monday, 21 August 2017

0715	Registration Open Complimentary Light Breakfast in the Exhibition Hall	Central Foyer
0815	Official Opening Ceremony & Special Welcome Governor of Western Australia, Her Excellency the Honourable Kerry Sanderson AC	Riverside Theatre
0915	Keynote Address: The Future of Work Jon Williams, Joint Global Leader, People & Organisation, Managing Partner – PwC	
1000	Morning Tea in the Exhibition Hall sponsored by LG Focus	




Session 1						
	Mobility I Meeting Room 1 Chair: Ossie Martinz	Innovation & Technology I Meeting Room 2 Chair: Gavin Harris	Leadership & Management I Meeting Room 3 Chair: Ian Daniels	Community & Infrastructure I Meeting Room 7 Chair: Chris Champion	Pavements I Meeting Room 8 Chair: Martyn Glover	Asset Management I Riverside Theatre Chair: Ross Goyne
1030 - 1058	The Road Efficiency Group: Transforming Transportation Asset Management in NZ <i>Grant Holland, Waugh Infrastructure Management Ltd, New Zealand</i>	Characteristics of Pavement Materials Treated with Polyacrylamide Based Additive <i>Romel Georges, Swinburne University of Technology, Victoria</i>	Relationship Contracting For Civil Construction by Standing Offer Panel Arrangements <i>Simon Malouf, Logan City Council, Queensland</i>	It's Your Community.....So Communicate <i>Greg Blaze, Maitland City Council, New South Wales</i>	Best Practice in Pavement Engineering <i>Dr Bryan Pidwerbesky, Fulton Hogan, New Zealand</i>	Technology for Future Builders <i>Jeff Roorda, TechnologyOne, New South Wales</i>
2 mins	Change Over	Change Over	Change Over	Change Over	Change Over	Change Over
1100 - 1128	One Road Network Classification – NZ Road Network <i>Garry McGraw, Kaipara District Council, New Zealand</i>	Evaluation of Additives for Insitu Recycling of Local Government Roads <i>Don Cameron, University of South Australia, South Australia</i>	How Commercialising Coffs Cityworks Created Benefits For The Council, Community and Staff <i>Dan Bonifant, Morrison Low, New South Wales</i>	Community Transformation Through Engagement <i>Kathryn Johnson, Port Pirie Regional Council, South Australia</i>	Sustainable Approach to Maintenance of Low Trafficked Surfaced Roads <i>Trevor Distin, Colas Australia, New South Wales</i>	Should Infrastructure Decisions Be Constrained By The Budget <i>David Hope, Skilmar Systems Pty Ltd & Dr Penny Burns, Talking Infrastructure, South Australia</i>
2 mins	Change Over	Change Over	Change Over	Change Over	Change Over	Change Over
1130 - 1158	Demand Responsive Transport (DRT) - a Solution for a 'First Mile' Commuter Problem in SEQ? <i>Gleb Kolenbet, Redland City Council, Queensland</i>	Disruption and Revolution: A Road to Innovation <i>Mark Pilgrim, Stablicorp Pty Ltd, New South Wales</i>	How an Organisation Adapted into a New Working Environment <i>Neil Beckett, New Zealand Transport Agency, New Zealand</i>	Importance of Community Engagement When Delivering Projects in Multicultural Environments <i>Chris Mackenzie, Complete Urban, New South Wales</i>	Incorporating Routine Maintenance Effort In Long Term Pavement Modelling And Decision Making <i>Hui Chen, Downer Australia, Victoria</i>	Robin Hood As Grants Commissioner: Who's Rich Who's Poor <i>John Comrie, JAC Comrie Pty Ltd & Ben Lawson, Common Thread Consulting, New South Wales</i>




1200	Lunch in the Exhibition Hall sponsored by Asphaltec						
1300	Keynote Address: American Alliance in the Year of Trump Hon Kim Beazley, Former Deputy Prime Minister of Australia & Australian Ambassador to the USA						Riverside Theatre
1400 - 1428	Session 2						
	Good Stuff I Meeting Room 1 Chair: Ossie Martinz Biophillic Design In a WA Context Brendan Oversby, Calibre Consulting, Western Australia	Water & Wastewater Meeting Room 2 Chair: Jim Coten Ocean Road Recreation Area – Wastewater Re-Use Terry Blanchard, City of Mandurah, Western Australia	Leadership & Management II Meeting Room 3 Chair: Paul Di Iulio Challenges and Triumphs when Implementing a Work Management System Alison Saunders, City of Greater Dandenong, Victoria	Community & Infrastructure II Meeting Room 7 Chair: Alan Millard Embedding Culture into Community and Family Centres Saurabh Chandra & David Campagnolo, Wyndham City Council, Victoria	Stormwater I Meeting Room 8 Chair: Doug Pearson The Use of Ovoid Pipe in Urban Stormwater Drainage Systems Andrew Barry, Marino Evangelisti, Martin Wright, Cardno, Western Australia	Asset Management II Riverside Theatre Chair: Kimberly Brosztl Improving Asset Management Community Engagement Michelle Kennedy, City Of Burnside, South Australia	
	2 mins	Change Over	Change Over	Change Over	Change Over	Change Over	Change Over
1430 - 1458	Smart Cities – From the Point of View of a Human Being Paul Knox, Complete Urban, New South Wales	Key water management challenges and opportunities in urban development in Western Australia Agni Bhandari & Antonietta Torre, Department of Water, Western Australia	Developing Your Next Presentation To Effectively Communicate and Achieve Focussed Outcomes Chris Champion, Institute Of Public Works Engineering Australasia, New South Wales	Eagle Stadium: A Journey to Reality Mauro Covacci, Wyndham City Council, Victoria	Time for Concentration – Stormwater Management in Bendigo Mark Atkinson, City Of Greater Bendigo, Victoria	Risk Based Decision Making For Infrastructure Investment Darren Moore, Logan City Council, Queensland	
1500	Afternoon Tea & Speed Networking in the Exhibition Hall						
1600 - 1628	Session 3						
	Mobility II Meeting Room 1 Chair: Vicki Shelton Clip on Cycleway Ken Robinson, Wagners Composite Fibre Technologies, Queensland	Innovation & Technology II Meeting Room 2 Chair: Gavin Harris Non Destructive Structural Assessment of Structures Using In-Service Dynamic Response James O'Grady, Mainmark, Victoria	Leadership & Management III Meeting Room 3 Chair: Matthew Greskie Formation Flying: Creating The 'Uber' Work Environment For Professional Services Caroline Boot, Plan A Ltd, Auckland, New Zealand	Community & Infrastructure III Meeting Room 7 Chair: Paul Kellick Mandurah Aquatic and Recreation Centre Redevelopment Matthew Hall, City Of Mandurah, Western Australia	Stormwater II Meeting Room 8 Chair: Martyn Glover Flood Mitigation For Existing Urban Environments Justin Hinch, Warrnambool City Council, Victoria	Asset Management III Riverside Theatre Chair: Angelo Catinari Road Asset Performance Study – A Wollongong Case Study Peter Tobin, Wollongong City Council, New South Wales	
	2 mins	Change Over	Change Over	Change Over	Change Over	Change Over	Change Over
1630 - 1658	Improving Pedestrian, Bicycle & Public Transportation Traffic Winter Conditions In Helsinki Esko Laiho & Tarja Myller, City Of Helsinki Public Works Department, Finland	Virtual Survey – A Coming of Age Gareth Evans, Mng Survey, Western Australia	Innovation: Harnessing the Power of Creative Minds Authors: Colin Chapman & Karen Pollock. Presenter: Jason Dwyer Queensland Urban Utilities, Queensland	The Adventure Park – Kwinana Reza Najafzadeh, City Of Kwinana, Western Australia	Source Control Stormwater Management Owen Richards & Simon Wallis, SOMe Engineering, Western Australia	Developing Aus-Spec for More Sustainable Community Assets Nandini Mehta, NATSPEC, Construction Information Systems Limited, New South Wales	
1900	Night Market Dinner at Perth Convention & Exhibition Centre Sponsored by Technology One Wear your most colourful shirt, outfit or your interpretation of your national dress! Bellevue Ballroom						

0730	Registration Open Complimentary Light Breakfast in the Exhibition Hall sponsored by Exeloo					Central Foyer 
0830	Keynote Address: Driverless Vehicles - Their Social Impact and Implications for Transport Planning Simon Ginn, Engineer & Urban Planner Followed by a Panel Session facilitated by Gerry Gannon Panellists: <i>Simon Ginn, Engineer & Urban Planner Peter Damen, ARRB Steve Beyer, WA Department of Transport Anne Still, RAC</i>					Riverside Theatre 
1000	Morning Tea in the Exhibition Hall					
1030 - 1058	Session 4					
	Mobility III Meeting Room 1 Chair: Vicki Shelton Perth End of Trip Facilities Study <i>Andreas Wang, Cardno, Ash McCormick, Russell Greig & Cathy Gazey, Department of Transport</i>	Innovation & Technology III Meeting Room 2 Chair: Kathryn Johnson Advancing a Smart Street Light Project <i>Ren Niemann & John Kettle, Mccullough Robertson, Queensland</i>	Leadership & Management IV Meeting Room 3 Chair: Chris Champion Overview of the 2016 IPWEA Study Tour – ‘Best Practice and Innovation in Public Works <i>Gleb Kolenbet, Redland City Council, Queensland</i>	Community & Infrastructure IV Meeting Room 7 Chair: Dave Harris Mills Park Redevelopment Project <i>Paul McAllister, City of Melville & Steven Vo City Of Gosnells, Western Australia</i>	 ARRB I Developments and Trends in Pavement Engineering Meeting Room 8 Chair: Alan Claydon Welcome and introduction from Peter Damen, ARRB (10 mins) ~ ASPARi (Asphalt Paving Research & Innovation) <i>André Dorée, University of Twente (30 mins)</i> ~ Emerging Developments and Innovations in Australia (Overview of Austroads, NACoE and WARRIP programs) <i>Ester Tseng & Michael Moffatt, ARRB (20 mins)</i> ~ Pavement Developments and Trends in Western Australia <i>Les Marchant, MRWA (30 mins)</i>	Asset Management IV Riverside Theatre Chair: Andrew Craig New Frontiers In Asset Management <i>Ben Lawson, Common Thread Consulting, New South Wales & Matthew Christensen, Snowy Valleys Council</i>
	2 mins	Change Over	Change Over	Change Over		Change Over
	1100 - 1128	The Changing Face of Brisbane <i>Kerry Doss, Brisbane City Council, Queensland</i>	Smart Street Lighting, Smart City, Smart Standards <i>Anthony Ogle & Vimal Vinodan, City of Ryde, New South Wales</i>	Engineering Cadetships in Councils Workforce Planning – NSW YIPWEA’S Perspective <i>Author: Hamish Scroope Presenter: Nicola Daaboul Assetic, Victoria</i>		Blue-Green Pocket Park for Long Term Central Park Vision Jennie Arts & Jeremy Maher, City of Bayswater, Western Australia
2 mins	Change Over	Change Over	Change Over	Change Over		
1130 - 1158	The Human Rights of Footpath Access <i>Ken Bott, Bayside City Council, Victoria</i>	New Technologies or Smart Cities <i>Henk de Graaf, Industrial Automation Group, Western Australia</i>	Collaboration and Business Case Approach – A Journey Of Discovery From the Shakey Isles <i>Edward Guy & Neil Cook, Rationale Ltd, New Zealand</i>	How to Provide a Surf Machine in the Suburbs a Long Way from a beach <i>Jordan Fisher, Complete Urban & Kerry Whitehead, Fairfield City Council, New South Wales</i>	ISO55000AM Standards And NAMS Resources Working Together <i>Peter Way, IPWEA Australasia</i>	
1200	Lunch in the Exhibition Hall					

	Session 5						
1300 - 1328	Urban Design Meeting Room 1 Chair: Kimberly Brosztl Sustainability: Life, Liberty and the Pursuit of Negative Entropy John Milne Clark County Public Works, Washington, USA	Innovation & Technology IV Meeting Room 2 Chair: Ian Daniels Maintaining Street Dust at Minimum Level Esko Laiho & Tarja Myller, City Of Helsinki Public Works Department, Uusimaa, Finland	Leadership & Management V Meeting Room 3 Chair: Will Barton APWA Jennings Randolph Scholarship Awardee Fostering innovation and creativity in Public Works Joanne Zhang, Bureau of Engineering, City of Los Angeles California, USA	Bridges Meeting Room 7 Chair: Peter Shields New Mandurah Traffic Bridge – Incrementally Launched Superstructure Boris Vujovic, BG and E Pty Ltd, Western Australia	 ARRB II Pavement Management, Rehabilitation and Stabilisation Techniques Meeting Room 8 Chair: Terry Blanchard Foamed Bitumen Stabilisation Geoff Jameson, ARRB (30 mins) ~ Rehabilitation Treatment Guideline for WA Roads Con Rimpas, Pavement Analysis & Doug McInnes, Golder (20 mins) ~ Understanding and Delivering Road Asset Needs to Counter Adverse Weather Andrew Beecroft & Tyrone Toole, ARRB (20 mins) ~ Now We Have Data – What Next? Anthony Bettridge & Norbert Michel, ARRB (20 mins)	Asset Management V Riverside Theatre Chair: Ross Goyne Engaging US Communities In Setting Level of Service Goals: Development Of Standard LOS Goals For Drinking Water Heather Himmelberger, Southwest Environmental Finance Center, New Mexico, USA	
	2 mins	Change Over	Change Over	Change Over		Change Over	Change Over
	1330 - 1358	Tree Retention and Applying AS 4970 in Perth Robert Bodenstaff, Arbor Centre P/L, Western Australia	Long Life Pavement Marking Trial Michael Chin, Main Roads Western Australia	Collaborative Integration – Bridging the Workplace Generation Gap Kelvin Hill & Su Young Ko, Western Bay Of Plenty District Council, New Zealand		Innovative Engineering To Replace Small Bridges Author: Peter Marchant Presenter: Will Zillmann ITS Pipetech Pty Ltd, New South Wales	Toowoomba Regional Council: The Level Of Service Journey For Road Services Graham Jordan & Justin Weligamage, Toowoomba Regional Council, Queensland
2 mins	Change Over	Change Over	Change Over	Change Over	Change Over		
1400 - 1428	Developing an Urban Tree Canopy Program – Challenges and Opportunities Shelley Shepherd, Urbaqua, Western Australia	Restabilising Stabilised Pavements Daniel Orriss, Stabilised Pavements of Australia, New South Wales	Diversity Powers Innovation Priyani de Silva-Currie, Calibre Consulting Ltd, New Zealand	Providing access for Oversize Overmass (OSOM) and Special Purpose (SPV) vehicles on Tasmanian Local Government Roads by Working with the National Heavy Vehicle Regulator (NHVR) and the State Government Richard Cassidy, Pitt & Sherry, Tasmania	APWA Jennings Randolph Scholarship Awardee Improving USA Asset Management Using a Commonwealth Countries Model Evan Prack, Director of Public Works & Water Resources Commissioner Washtenaw County Michigan, USA		
1430	Afternoon Tea in the Exhibition Hall						
	Session 6						
1500 - 1528	Risk Management Meeting Room 1 Chair: Bill Woodcock Disaster Hub – A New Way of Connecting With Our Community During Disasters Author: Mr Andrew Ryan. Presented by: John Gallina, Sunshine Coast Council, Queensland	Innovation & Technology V Meeting Room 2 Chair: Kathryn Johnson Environmental Removal of Oil Spills Without Damage to Infrastructure Materials Gary Pearse, S200 Oilgone, New South Wales	Leadership & Management VI Meeting Room 3 Chair: Paul Di Iulio Organisational Management Søren Gais Kjeldsen, KTC Denmark, Northern Jutland, Denmark	Good Stuff II Meeting Room 7 Chair: Mark Varmalis Hynds Best Paper from 2017 IPWEA (NZ) Conference: Blurring the lines with the New Plymouth District Council professional services collaborative contract David Langford, New Plymouth District Council, New Zealand	 ARRB III Implementation of New Technologies in Australia Meeting Room 8 Chair: Alan Claydon Eco Friendly Prime – Using Solvent Free Prime In Lieu of	Asset Management VI Riverside Theatre Chair: Andrew Craig Managing Assets Through Capability and Knowledge (MACK) Ben Clark, City of Tea Tree Gully, South Australia	
	2 mins	Change Over	Change Over	Change Over		Change Over	Change Over

2 mins	Change Over	Change Over	Change Over	Change Over	Traditional Cutback Primes <i>Stuart Nugent, Colas West Australia (20 mins)</i> ~ Australian Trends and Innovations in Asphalt Engineering (overview of EME2, SMA, RAP, WMA and Cold Mix Asphalt, Crumb Rubber, Thin Asphalt Surfacing) <i>Willie Valenzuela & Andrew Beecroft, ARRB (25 mins)</i> ~ Panel Discussion facilitated by Peter Damen, ARRB <i>Panel: Geoff Jameson (ARRB), Michael Bresnahan (AAPA), Les Marchant (MRWA), Con Rimpas (Pavement Analysis / Asphalttech), Mark Bondietti (WALGA) (45 mins)</i>	Change Over
1530 - 1558	Disaster Recovery Clean Up Phase Learnings <i>Rene Baur, Shire of Mundaring, Western Australia</i>	Digest This – Waste to Energy <i>George Ridley, Cowra Shire Council, New South Wales</i>	Almost 50 Years a Civil Designer <i>Terry McIvor, Toowoomba Regional Council, Queensland</i>	Clever Buying: Grounding the Best International Procurement Model <i>Caroline Boot, Plan A Ltd, New Zealand</i>		Water Asset Management Advances In The US <i>Heather Himmelberger, Southwest Environmental Finance Center, New Mexico, USA</i>
2 mins	Change Over	Change Over	Change Over	Change Over		Change Over
1600 - 1628	WCC Project Management Framework <i>Mark Roebuck, Wollongong City Council, New South Wales</i>	Factors Behind Maintenance and Energy Costs in School Buildings <i>Topi Korpela, Grandlund Ltd., Finland</i>	Innovative Leadership In Logan City <i>Silvio Trinca & Terry Goodhew, Logan City Council, Queensland</i>	Buildings Can Last Forever <i>Steve Lyons, SPM Assets, New South Wales</i>		Sustainable Road Maintenance Strategies To Build A Resilient Road Network <i>Mahbub Hossain, Campbelltown City Council, New South Wales</i>
Delegates free time to explore the dining delights of Perth						

0730	Registration Open Complimentary Light Breakfast in the Exhibition Hall					Central Foyer
0830	Young IPWEA Address by the Young IPWEA Chair Keynote Address: The Children of the Disruptive Technology Age – What can they expect from the workplace? Dhakshy Sooriyakumaran, Foundation for Young Australians Followed by a Panel Session facilitated by Gerry Gannon <i>Panellists: Dhakshy Sooriyakumaran, Foundation for Young Australians Will Barton, Junee Shire Council Steven Vo, City of Gosnells Chris Chapman, Tararua Alliance Nicola Daaboul, Assetic</i>					Riverside Theatre
1000	Morning Tea in the Exhibition Hall sponsored by Cardno					
Session 7						
1030 - 1058	Innovation & Technology VI Meeting Room 1 Chair: Jim Coten The Queensland Urban Utilities Innovation Precinct – Transforming Complex Waste Problems <i>Colin Chapman, Presented by: Jason Dwyer, Urban Utilities, Queensland</i>	Coastal Management Meeting Room 2 Chair: Doug Pearson Eastern Foreshore Seawall <i>Simon Hudson City Of Mandurah, & Dale Olsson M P Rogers & Associates, Western Australia</i>	Stormwater II Meeting Room 3 Chair: Alan Millard Urban Stormwater Technologies Catch Basin Insert <i>Craig Rothleitner, Urban Stormwater Technologies, Western Australia</i>	Pavements II Meeting Room 8 Chair: Ian Duncan Driving Value in Long Term Road Maintenance Contracts <i>Marcus Stephens, Downer, Victoria</i>	Asset Management VII Riverside Theatre Chair: Mark Varmalis Asset Management, A Catalyst For Change. The Yarra Ranges Story <i>Julia Geiberras, Yarra Ranges Council, Victoria</i>	
2 mins	Change Over	Change Over	Change Over	Change Over	Change Over	
1100 - 1128	Use of RCPP Recycled Materials to Build a New Recycling Facility <i>Jake Hickey, Instant Waste Management, Western Australia</i>	Balancing Coastal Protection with Waterfront Living <i>Dale Olsson, M P Rogers & Associates, Western Australia</i>	Innovative Stormwater Infrastructure – The Green Square Stormwater Drain <i>Peter Shields, City of Sydney, News South Wales</i>	Unsealed Roads – Make Marginal Materials Matter <i>Malcolm Styles, Engineering Management Styles, Victoria</i>	Business Intelligence For Efficient Management Of Road Maintenance Operation <i>Bayezid Al-Arabi & Dr Nabin Pradhan Downer Australia, New South Wales</i>	
2 mins	Change Over	Change Over	Change Over	Change Over	Change Over	
1130 - 1158	Evolving Technologies and SMARTCONSTRUCTION <i>Aaron Marsh, Komatsu New South Wales</i>	Two Mile Creek Waihi Beach <i>Kelvin Hill, Western Bay Of Plenty District Council, New Zealand</i>	Subterranean Surveillance - The City of Gosnells drainage maintenance story <i>Michael Baayens, City of Gosnells, Western Australia</i>	Polymer Modified Bitumen Emulsion Surface Treatments in Brisbane <i>Greg Stephenson, Brisbane City Council, Queensland</i>	Preparing A Road Investment Plan Case Study: Ramu Highway Papua New Guinea <i>Dr Neville Binning, EDAB Consulting P/L, Western Australia</i>	
1200	Lunch in the Exhibition Hall sponsored by Rocla					
Session 8						
1300 - 1400	 Science. Applied to Life.™ Technology & Performance for Life on the Road Riverside Theatre Chair: Ian Daniels A Virtual Reality Experience through various road environments. Latest advancements in retroreflective technologies + cost-effective applications designed to improve road safety. Hands on demonstration of various new retroreflective technologies. <i>An interactive workshop session presented by 3M</i>	Street Lighting Meeting Room 1 Chair: Robert Fuller IPWEA's Street Lighting and Smart Controls (SLSC) Programme has been embraced by the Australian Government, ALGA, LCA, ENA & the street lighting supply industry. A snapshot of the 3 rd International SLSC Conference held in March will be presented	Pavements III Meeting Room 2 Chair: Joe Bannan City of Sydney – Reducing Greenhouse Gas Emissions By Adopting Low Carbon Asphalt <i>Ross Ioakim, Downer, New South Wales Peter Shields, City of Sydney, News South Wales (28 mins)</i>	Asset Management VIII Meeting Room 3 Chair: Paul Kellick Data: We Have Lift Off <i>Stuart Joyce, Morphum Environmental, Victoria (28 mins)</i>		
			2 mins Change Over		2 mins Change Over	

		<i>Graham Mawer, Next Energy & Robert Fuller, IPWEA Australasia, New South Wales</i>	Doubling the Benefit of Emulsion Seals <i>Rory Bracken, Fulton Hogan, Victoria</i>	Risk Management And Statistics In Large Asset Portfolios <i>Mr Hein Aucamp, WA Integrated Asset Management, Western Australia</i>
1400	Afternoon Tea in the Exhibition Hall			
	Trade Exhibition Closes			
1430	Keynote Address: Connected Multimodal Transport Test Bed: a path to autonomous transport Professor Majid Sarvi, Professor in Transport for Smart Cities, University of Melbourne Followed by a Panel Session facilitated by Gerry Gannon <i>Panellists: Professor Majid Sarvi, University of Melbourne Richard Sellers, WA Department of Transport Professor Peter Newman AO, Curtin University</i>			Riverside Theatre
1600- 1630	Conference Closing Session & Invitation to the 2019 International Public Works Conference Asset Finda Delegate Prize Draw			
1900	Platinum Gala Dinner at the Crown Perth - Sponsored by Komatsu Presentation of IPWEA Excellence Awards proudly presented by  <i>with presentation of other awards</i>			

Thursday, 24 August 2017

	Technical Tours
--	------------------------

All information is correct at the time of publication. In the event of unforeseen circumstances, the Organising Committee reserves the right to delete or alter items in the Conference program.