

Program

Sunday 11 August

- 3.00pm - **Registration**, Foyer, Darwin Convention Centre
 6.00pm
 5.00pm - **International Delegates and Under 35's Welcome (by invitation)**,
 6.00pm Crocosaurus Cove, 58 Mitchell St, Darwin
 6.00pm - **Welcome Reception**, Crocosaurus Cove, 58 Mitchell St, Darwin, sponsored by



Monday 12 August

- 7.45am **Exhibition Open**, Complimentary light breakfast served in the exhibition, Halls 3 & 4
 7.45am **Registration**, Foyer, Darwin Convention Centre
 8.45am **Official Opening Ceremony and Special Welcome**, Hon Peter Styles MLA,
 NT Minister for Infrastructure, Multicultural Affairs, Senior and Young Territorians, Auditorium
 9.45am - **Keynote Address: Associate Professor Dr. Carol Boyle**,
 10.30am University of Auckland
Evolving Infrastructure to Meet the Future
 10.30am - **Morning Tea**, Halls 3 & 4, sponsored by



Session 1

11.00am -
12.30pm

Water Management I
Chair: Jo O'Brien
Meeting Rms 1&2

Capacity Building
Chair: Gerry Gannon
Meeting Rms 3&4

Managing Safer Roads I
Chair: Kim Sedgwick
Waterfront 1

Project Management
Chair: Vicki Shelton
Waterfront 2

aurecon

AM Challenges I
Chair: Braden Austin
Waterfront 3

OPUS

AM Leading Issues
Chair: Jim Muir
Auditorium

11.00am

Operations Management and Control of a Water Distribution Network With Advanced Decision Support Tools,
Alana Dunker,
MWH, SA

Legal and Governance Models for Shared Services in Local Government,
Melissa Gibbs,
ACELG, NSW

Cost Effective Wildlife Roadkill Mitigation,
Dion Lester, Pitt & Sherry, TAS

Crowdsourcing Public Works Engineering,
Daniele Danielsson,
Toowoomba Regional Council, QLD

Getting Productivity Gains From an Asset Management Approach- Synergy or Sacrifice?
Greg Williams,
PriceWaterhouse-Coopers, NZ

Why Don't Engineers and Accountants Tell the Same Story?
John Howard,
Jeff Roorda & Associates, TAS

11.30am

Implementing Water Master Plans and WSUD,
Peter Shields, City of Sydney, NSW

Capacity Building Case Study: Collaboration of Regional Councils to meet their future workforce needs,
Lora Smith,
Government Skills Australia, SA

Are Road Traffic Signs Too Bright?
Pippa Batchelor,
3M Australia, NSW

Reconsidering High Performance Team Development for Effective Project Delivery,
Graham Scott,
Thinc, QLD

Kaizen: asset management with molehills and less mountains,
Reece Harrison,
City of Charles Sturt, SA

How Service Delivery is winning Hearts and Minds,
Dr Penny Burns,
AMQ International, SA and Christopher Dupe, Arts Victoria, VIC

12.00pm

More Water, Less Cost,
Dr. Danny Burkett,
OPUS, WA

Lessons Learned from Building capacity for Workforce Planning in WA,
Su Fei Tan, UTS
Centre for LG, NSW
and Virginia Scott,
Department for Local Government and Communities, WA

High Risk Rural Roads Spatial Modelling,
Renee Schicker,
OPUS, NZ

The Benefits of Early Contractor Involvement in the Resurfacing of Phillip Island Grand Prix Circuit,
Mark Taylor,
Downer
Infrastructure, VIC

Meeting WA SuperTown Asset Challenges Through Partnership,
Ben Simmons,
Asset, WA and
Paul Jupp,
Digital Mapping Solutions, WA

Implications of ISO 55000 Standards on Infrastructure Asset Management in Australia,
Peter Way,
IPWEA, QLD

Monday 12 August

12.30pm - **Lunch, Halls 3 & 4**
2.00pm

Session 2
2.00pm -
3.30pm

Stormwater Management I
Chair: Greg Moran
Meeting Rms 1&2

Good Stuff I
Chair: Ross Vincent
Meeting Rms 3&4

Collaboration for Success
Chair: Mark Varmalis
Waterfront 1


Sustainable Communities
Chair: Angelo Catinari
Waterfront 2


AM Pavement Management I
Chair: Leon Patterson
Waterfront 3

 **OPUS**
AM Stream Tools I
Chair: Ross Goyne
Auditorium

2.00pm

Effective Stormwater Conveyance and Treatment in Durham, North Carolina, USA
Sujit Ekka, *City of Durham, USA*

3 Waters and the AMIS Programme, Phil Cahill, Dunedin City Council, NZ Hynds Best Paper, Winner from the 2013 IPWEA (NZ) Conference

What's the New Black in Great Outcomes for Public Works?
Keith Clarke, *Energy Efficiency & Conservation Authority* and Priyani de Silva-Currie, *OPUS, NZ*

Engineering Sustainable Communities: Environmental, Economic and Social Dimensions,
Prof John Martin, *La Trobe University, VIC*

Innovative Graded Aggregate Sprayed Surfacing Review,
Ryan Jansz, *Boral, VIC*

Measuring, Monitoring and Managing to Improve Sustainability - Applying a customized IS Rating Tool to Local Council Road Management,
Stephen Lees, *IPWEA, NSW*

2.30pm

Stormwater Management in the Adelaide South Park Lands - From a Simple Engineering Approach to a Multi-Objective Stormwater Solution,
Jo O'Brien, *Tonkin Consulting, NT*

How to restructure a council depot and incorporate sustainability, safety and improved productivity with sound staff consultation,
Hans Meijer, *Penrith City Council* and Bill Woodcock, *Complete Urban, NSW*

Infrastructure Maintenance Service Delivery -The Mornington Peninsula Partnering Journey,
Terry Alford, *Terry Alford Consulting, VIC* and Greg Powell, *Mornington Peninsula Shire Council, VIC*

The Best in the Country? Working Together Towards Sustainable Services in Tasmania,
Sue Grau, *LGAT, TAS*

Warm Mix is the Asphalt of the Future,
Trevor Distin, *Boral, VIC*

Infrastructure Design Manual (IDM) - The Regional Victoria Experience,
Geoff Kinnish, *Simon Anderson Consultants, VIC*

3.00pm

Hobart's Stormwater Master Drainage Schemes Starting at the Beginning,
Darren Carlson, *Hobart City Council, TAS*

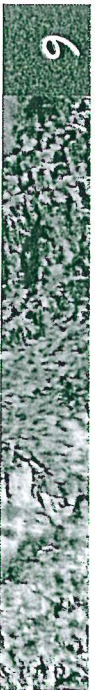
Practical Plant Safety Management,
Matt Turner, *Plant Assessor, NSW*

Improving 'Value for Money' Maintenance Solutions Through Government / Private Sector Joint Ventures,
Lloyd Arnott, *Aurecon, QLD*

Challenges and Opportunity for Local Government Councils,
Anup Paudel, *Town of Port Hedland, WA*

Determination of the Preferred Intervention Point For Rehabilitation of Dense Graded Asphalt Wearing Courses on the Sand Sub-Grades of the Swan Coastal Plain in Consideration of the Triple Bottom Line (Ecological, Economic and Social Impacts)
Martyn Glover, *Roads 2000, WA*

Service Thinking: Sustainment of Assets in Service,
Lincoln Wood, *University of Adelaide, SA*



Program

Monday 12 August

3.30pm - 4.00pm **Afternoon Tea**, Halls 3 & 4

Session 3
4.00pm - 5.00pm

Stormwater Management II
Chair: Dr Stephen Lees
Meeting Rms 1&2

Parks Management
Chair: Andrew Craig
Meeting Rms 3&4

Environmental Management
Chair: Anthony Vuleta
Waterfront 1



AM The Rail Story
Chair: Gerry Gannon

aurecon

AM Pavement Management II
Chair: Martyn Glover
Waterfront 3



OPUS AM Buildings I
Chair: Peter Way
Auditorium

4.00pm

GIS Stormwater Drainage Data Collection for City of Whitehorse, Mirjam Fabijanic, *Whitehorse City Council, VIC*

An Aus-Spec Approach to Parks and Recreation Areas Asset Management, A South Australian Experience, Rob Bosley, *Tendering Specification Systems, SA*

Unlocking the Door to Community Renewable Energy Future, Raj Maniher, *Baw Baw Shire, VIC*

Transforming Our Approach to the Management Of Civil Assets: Network Rail's Story, John Halsal, *Network Rail, UK*

Canterbury Earthquakes and Pavement Resilience, Bryan Pidwerbesky, *Fulton Hogan, NZ*

Recognising the Value of Your Buildings. PLUS, Steve Lyons, *SPM Assets, SA*

4.30pm

Turning a Water Strategy into a Practical Capital Works Program, Alan West, *City of Kingston, VIC*

Sustainable Initiatives to Address Shrinking Budgets in Parks Departments, Frank Soltau, *Coffs Harbour City Council, NSW*

Achievable Carbon Reduction Strategies - The City of Salisbury Experience, Ross Ioakim and Simon Abrahams, *Downer, NSW* and John Hutton and Peter Levett, *City of Salisbury, SA*

Delivering Customer Services Today with Assets from Yesteryear: A Structures Asset Policy for Network Rail, Richard Frost, *Network Rail, UK*

Shrinkage Behaviour of Cement Modified Base Course Material for Western Australian Pavements, Suphat Chummuneerat, *Curtin University, WA*

Building Maintenance & Management, Ray Millers, *The Hills Shire Council, NSW*

7.00pm - 11.00pm







Experience Darwin Dinner, Skycity Darwin, sponsored by **COMPLETE**
See page 16 for details on coach transfers.

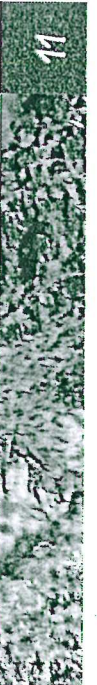
Tuesday 13 August

7.45am **Exhibition Open.** Complimentary Light Breakfast served in the Exhibition, Halls 3 & 4
 7.45am **Registration,** Foyer, Darwin Convention Centre
 9.00am - **IPWEA National Address: Chris Champion,** CEO, IPWEA
 10.30am **Keynote Address: Paul Porteous,** Entertaining, Inspiring, Life Changing
Professional Being Bigger than the Circumstances, Auditorium. Sponsored by 
 10.30am **Morning Tea,** Halls 3 & 4

Session 4

 11.00am -
 12.30pm

	 Waste Management Chair: Mat Greskie Meeting Rms 1&2	 Good Stuff II Chair: John Ambrose Meeting Rms 3&4	 Managing Safer Roads II Chair: Damion Beety Waterfront 1	 Tech Talk I Supersession Bridges Chair: Peter Damen Waterfront 2	 AM Strategies Chair: Michael Kahler Waterfront 3	 AM Tools Chair: John Truman Auditorium
11.00am	Glengarry Stock Truck Effluent Collection and Treatment in Challenging Terrain, Graham Eagles, <i>OPUS, NZ</i>	100 Trends Affecting Public Works Engineering in Australia, David Nixon, <i>Better Management, QLD</i>	Safe Systems: A Little Less Conversation, a Little More Action - the Parkes Elvis Festival Street Parade Experience, Melanie Sutor, <i>Parkes Shire Council, NSW</i> and Phil King, <i>Health Consulting Engineers, NSW</i>	What can be Learnt from Technical Investigations of Bridges. Three x 20 minute papers will be presented followed by a panel discussion. Bridges - A Practical Guide To Loads and Strengthening, Richard Cassidy, <i>Pitt & Sherry, TAS</i> Bridge Inspections and Management, Richard Underhill, <i>NT Govt</i>	Infrastructure Backlog -What, Why & How, Timothy McCarthy, <i>Morrison Low, NSW</i>	ADAC Demystified- A Case Study Approach to Successful Implementation, Geoff Bartholomew, <i>Lion Systems, QLD</i>
11.30am	How To Turn a Dump into a Modern Waste Management Facility - A Tasmanian Perspective, Geoff Lang, <i>Hobart City Council, TAS</i>	WHS at Orange- a New Approach for Local Government, Chris Devitt, <i>Orange City Council, NSW</i>	Building a Road Safety Culture: Implementing Road Safety Through a Council Intranet system, Jenny Davies, <i>Shellharbour City Council, NSW</i>	Enabling Success in Enterprise Asset Management, Richard Love, <i>Civica, TAS</i>	Landmark GIS Study Shows Path Towards a Sustainable Future, Len Olyott, <i>Esri Australia, NSW</i>	
12.00pm	Managing Landfill Gas Emissions, Graeme Alford, <i>Landfill Gas & Power, WA</i>	Then and Now: Foundations for the Future of Engineering. (From the 3Rs to the 3Cs), Jane Waldock, <i>City of Yarra, VIC</i> and Vicki Shelton, <i>City of Greater Geelong, VIC</i>	Road Safety and Asset Management using the Asset Data Base to Identify and Address Road Safety, Rita Excell, <i>ARRB, SA</i>	The Use Of Technology to Improve Bridge Management, Rudolph Kotze, <i>ARRB</i> Panel Discussion with all three session speakers	Asset Management Strategies for Financial Sustainability, Vivek Kangesu, <i>Townsville City Council, QLD</i>	A Toolkit for Applying LEAN to Highway Maintenance Services, Matthew Lugg, <i>Mouchel Infrastructure Services, UK</i>



Program

Tuesday 13 August

12.30pm - Lunch, Halls 3 & 4
2.00pm

Session 5
2.00pm -
3.30pm

Flood Recovery
Chair: Suzanna Barnes-Gillard
Meeting Rms 1&2

Good Stuff III
Chair: Stewart Mcleod
Meeting Rms 3&4

Urban Renewal
Chair: David Harris
Waterfront 1

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Tech Talk II
Supersession Technology & Roads
Chair: Bob Pemble
Waterfront 2

aurecon
AM Challenges II
Chair: Penny Burns
Waterfront 3

OPUS
AM Keep It Simple
Chair: Paul Kellick
Auditorium

2.00pm

Storm Recovery at Mount Alexander Shire Victoria - Not Once, Not Twice, but Four Times!
Malcolm Styles, *EmStyles, VIC*

South African Local Government - What we can Learn,
Danie Wium and Matt Coetzee, *Aurecon, QLD*

Innovations in the Approach to the Redevelopment of a Major Community Hub In Wyndham,
Mauro Covacci, *Wyndham City, VIC*

The Use of Technology for local Government Road Management
Four x 20 minute papers

Better Asset Management Planning and Delivery - Lessons from the New Zealand Road Maintenance Task Force,
Grant Holland, *Waugh Infrastructure, NZ* and Janice Brass, *NZ Transport Agency, NZ*

Making Your Asset Management Plans Realistic and Affordable,
John Howard, *Jeff Roorda & Associates, TAS*

3D Technology for Managing Pavements,
Richard Wix, *ARRB*

2.30pm

Morla Shire Flood Recovery Project,
David Booth, *Morla Shire, VIC* and Malcolm McKenzie, *CT Management, VIC*

Please, in my Front Yard (PIMFY): Designing Streets for People, Not Cars,
Paul Morris, *GTA Consultants, SA*

Creating a Destination - An Australian Government Pilot Project,
Jason Pruzinski, *Complete Urban, SA* & Kevin Lowe, *Campbelltown City Council*

Bitumen Supply and Testing,
Kym Neaylon, *ARRB*

Whole of Life Asset Management - Are we Really Making any Ground ?
Lloyd Arnott, *Aurecon, QLD*

Cheap Roads and a One Page Asset Policy,
Mick Raby and David Niven, *Fairfield City Council, NSW*

Automatic Road Sign Detection from Survey Video,
Paul Stapleton, *NICTA, ACT*

Deterioration and Maintenance of Local Roads,
Tim Martin, *ARRB*

Aligning Business Process with your Asset Management System,
Anthony Monaghan, *Infomaster, VIC*

Aus-Spec: The Proactive Approach to Asset Maintenance,
Nandini Mehta and Kevin Rooney, *NATSPEC, NSW*

3.00pm

Toowoomba Flood Recovery
Mike Brady, *Toowoomba Regional Council, QLD* and Michael Kahler *AECOM, QLD*

Airport Runway Widening - Issues & Options,
David Bradshaw, *GHD, SA*

Prospect Road - The Village Heart: How to Change an Arterial Road into a Popular Main Street,
John Willbery, *Tonkin Consulting, SA*

Tuesday 13 August

3.30pm - **Afternoon Tea, Halls 3 & 4**
4.00pm

Session 6
4.00pm -
5.00pm

Materials Technology
Chair: Allan Claydon
Meeting Rms 1&2

Sustainable Lighting
Chair: Anthony Ogle
Meeting Rms 3&4


Tree Management
Chair: Maurice Stabb
Waterfront 1


**Tech Talk III
Supersession Building Capability**
Chair: Paul Di Iulio
Waterfront 2


AM Geotechnical Challenges
Chair: Lloyd Arnott
Waterfront 3

 **OPUS**
AM Buildings II
Chair: Leon Patterson
Auditorium

4.00pm

Fibre Reinforced Plastics Within Public Infrastructure Design, Costs, Manufacture and Installation, Mario Springolo, *Toowoomba Regional Council, QLD*

The Delivery and Benefits of Sustainable Lighting, George Angelis, *City of Sydney, NSW*

Trees and Development Sites - Basic Reporting Guidelines, Sarah Priestley, *Council Arboriculture VIC*

Workshop - New Ways to Build and Sustain Road and Bridge Technical Capability in Local Government

Three x 10 minute case studies followed by workshop session

Solutions To Common Geotechnical Problems Using Seismic Technology, James Tayler, *Earthsolve, QLD*

Management And Maintenance Strategies For Local Government Building Portfolios, Mike Hoy, *Urban Maintenance Systems, VIC*

4.30pm

Technology Advancements in Synthetic Fibre Reinforced Concrete, Craig Wright, *Elasto Plastic Concrete, QLD*

Street Lighting Energy Efficiency... The Lights They are a Changin', Paul Brown, *Ironbark Sustainability, VIC*

The Benefits of Using a Tree Inventory for Managing Urban Trees, Graham Dear, *Hume City Council, VIC*

Case Study 1 - The Roads Alliance - Department of Transport and Main Roads Partnering with Queensland Local Government, Susan Barlow, *Department of Transport and Main Roads, QLD*

Exploring The Unknowns - Designing For Resilience Where the only Constant is Change, Richard Parkinson, *OPUS, NZ* and Chris Maguire, *MWH*

Impact of Climate Change on Council buildings, David Logan, *City of Whitehorse, VIC*

Case Study 2 - How Can Technical Research Better Inform Innovative Local Government Practice, Kym Neaylon, *ARRB*

Case Study 3 - Feedback From National Knowledge Transfer Activities, Can It Be Done Better? Mick Savage, *IPWEA* and Rita Excell, *ARRB*


Workshop Session - Q&A And Workshop
Facilitator: Peter Damen

Delegates free night to explore dining delights of Darwin




Program

Wednesday 14 August

- 7.45am **Exhibition Open.** Complimentary Light Breakfast served in the Exhibition, Halls 3 & 4
- 8.30am **Registration,** Foyer, Darwin Convention Centre
- 9.00am - **Supersession: Attracting & Retaining Young Engineers**
- 10.30am **Young IPWEA Address: Kim Sedgwick,** National Chair Young IPWEA
Keynote Address: Kim Seeling Smith, "Viva La Revolution! The 5 C's of Employee Recruitment, Engagement and Retention that will revolutionise the ability of your organisation to attract and retain talent in today's social age."
Panel Session: Three Young Rural Female Engineers: Melanie Giacomini, Young Shire, **Maddison Bailey,** Lithgow City **and Rebecca Clothier,** Boorowa Council
 Facilitated by Kim Seeling Smith, Halls 3 & 4
 Supported by: *The National Foundation for LG Engineering* 
- 10.30am - **Morning Tea,** Halls 3 & 4
- 11.00am

Session 7

11.00am -
12.30pm

<p>Water Management II Chair: Dr Stephen Lees Meeting Rms 1&2</p>	<p>The Public Works Engineer Chair: Rebecca Clothier Meeting Rms 3&4</p>	<p>Roads and Transport Chair: Mick Savage Waterfront 1</p>	<p> Innovative Capital Works Funding Chair: Dennis Blair Waterfront 2</p>	<p> AM Road Maintenance I Chair: Geoff Bartholomew Waterfront 3</p>	<p> AM An International Perspective Chair: John Howard Auditorium</p>
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11.00am

<p>Don't Mention the Bore! - A transition from two water reticulation systems to one reticulation system, John Roworth, <i>Longreach Regional Council, QLD</i></p>	<p>Taking the Leap of Faith, Anthony McMahon, <i>Boorowa Council, NSW</i></p>	<p>The PEECE Index, Peter Rufford, <i>PEECE, QLD</i></p>	<p>North Sunshine Industrial Area Special Charge Scheme, Raymond Martin, <i>Brimbank City Council, VIC</i></p>	<p>Effective Road Maintenance on Limited Budgets, Anne Gibbs, <i>IPWEA VIC</i></p>	<p>Three Steps Forward, Two Steps Back, Heather Himmelberger, <i>New Mexico Environmental Finance Centre, USA</i></p>
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11.30am

<p>The Reduction of Water Main Failures at City West Water, Max Anderson, <i>City West Water, VIC</i></p>	<p>The Balancing Act, Stevan Moller, <i>Longreach Regional Council, QLD</i></p>	<p>Building Better Regional Cities - Karloo Wandina Project, Mark Atkinson, <i>City of Greater Geraldton, WA</i></p>	<p>Continuing the Debate - Innovative Infrastructure Funding, Bruce Rendall, <i>Greater Dandenong City Council, VIC</i></p>	<p>Protocol for Selection Of Unsealed Road Material for Regional Local Government, Rod Ellis, <i>Tonkin Consulting, SA</i></p>	<p>Analysing Outsourcing Policies in an asset management context: A Six-Stage Model, Rob Shoenmaker, <i>TU Delft, Netherlands</i></p>
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12.00pm

<p>Making Renewal Investments with Confidence: A Robust Decision Support Process for 3 Waters Reticulation Networks, Phillip McFarlane, <i>OPUS, NZ</i></p>	<p>A Review of Emerging Education and Training Practices for Municipal Engineers, John Parkin, <i>London South Bank University, UK</i></p>	<p>Transport Planning to Reduce Impact On Environment, Society and Economy Through Improvements to Road Hierarchy Systems, Jayantha Withanaarachchi, <i>City of Greater Geelong, VIC</i></p>	<p>A Major Capital Investment Management Framework for Local Government, Matthew Hall, <i>City of Mandurah, WA</i></p>	<p>Utilising New Technologies, Stephanie Camarena, <i>Factor Ten, VIC</i></p>	<p>Applying Australia's Nams to Canada: Achieving Community Wide Change at Elected & Non Elected Levels, Steve Brown, <i>City of Humboldt, Canada</i></p>
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Wednesday 14 August

12.30pm - 1.30pm **Lunch, Halls 3 & 4**

Session 8

1.30pm - 3.00pm

1.30pm

2.00pm

2.30pm

3.00pm -

3.30pm

3.30pm -

4.30pm

4.30pm -

4.45pm

7pm - 12am


Wastewater
Chair: Matt Greskie
Meeting Rms 1&2

Organisation Culture
Chair: Jane Gascoigne
Meeting Rms 3&4

Public Works in Darwin CBD
Chair: Luccio Cercarelli
Waterfront 1

Risk Management
Chair: Gerry Gannon
Waterfront 2

 **aurecon**
AM Road Maintenance II
Chair: Anne Gibbs
Waterfront 3

 **OPUS**
AM An International Perspective
Chair: Peter Way
Auditorium

South Australian Community Wastewater Management Systems: Recycling Wastewater in Regional Towns, Beth MacGillvray, *Tonkin Consulting, SA*

Connect with your Community by Advocating Public Works, Elia Twigg, *City of Palm Bay, USA*

Planning for the Future: The Darwin CBD Traffic Study, John-Paul Foster, *SKM, NT*

Potential Hazards In Glazing Above Public Areas, David Lilley, *Charles Darwin University, NT*

Prevention and a Better Cure - the English Government's Pothole Review, Matthew Lugg, *Leicestershire County Council, UK*

Lessons from Europe: Planning and Delivery of Capital Works and the Impacts of an Economic Downturn, Cohen Van Der Velde, *Bass Coast Shire Council, VIC*

Innovations at Cowra Water Treatment Plant, George Ridley, *Cowra Shire Council, NSW* and Eddie Bjelton, *KONSEB, Sweden*

Keeping the Flame Alive: The Art and Science of Managing Clever People, John Ambrose, *IPWEA WA*

Darwin CBD Parking Strategy - A Coming of Age, Paul Simons, *Tonkin Consulting, SA*

The Relevance of Risk Management - 9 Council Case Studies, Fendall Hill, *GHD, QLD*

Guide for Pavement Stabiliser, Vito Albacini, *Frankston City Council, VIC*

Infrastructure Management: Dynamic Control of Assets, Jules Verlaan, *Delft University of Technology, The Netherlands*

Options for Delivering New Water and Wastewater Infrastructure, Jamie Roodenrys, *Osmoflo, SA*

Transformational Thinking of a Time Travelling Engineer, Jason Deller, *Sunshine Coast Regional Council, QLD*

Underground Stormwater Assets the Big Unknown, Nadine Douglas, *City of Darwin, NT*

Risk Based Cost Estimation of Capital Intensive Road Projects Using Monte-Carlo Simulation, Mahender Rao, *Marlbyrnong City Council, VIC*

Innovative Surfacing Technology: Performance on the Road, Bryan Pidwerbesky, *Fulton Hogan, NZ*

Public Works Engineering & Asset Management - A French Perspective - International Ideas and Best Practices, Anthony Ogle, *City of Ryde, NSW*

Afternoon Tea, Exhibition Concourse

Young IPWEA Panel Session: Lend us your shoulders so we can see our future

Panel members: Kim Sedgwick, YIPWEA National Chair, **Anthony McMahon**, YIPWEA NSW Chair, **Elizabeth Treadway**, APWA National President and **Paul Di Iulio**, IPWEA President. **Facilitator: Gerry Gannon**, Auditorium

Closing Session: Invitation to Conference 2015, Auditorium

Conference 2013 Closes

Gala Dinner, Darwin Convention Centre, Halls 1&2, sponsored by:



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.