TAking flight for the future

International Public Works Conference 2017

Head West for New Frontiers

Perth, 20-23 August, 2017

Registration Brochure
SPONSORS AND EXHIBITORS

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• Mainmark
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INVITATION FROM THE CHAIR

On behalf of the IPWEA Australasian Board and the Conference Organising Committee we have pleasure in welcoming you to the Perth International Public Works Conference being held at the Perth Convention and Exhibition Centre.

Taking Flight for the Future - Head West for New Frontiers is the theme of the Conference and we trust you will be stimulated by and gain valuable insights from the extensive and impressive speaker line-up which has been assembled for this outstanding event. With a full program, significant networking and social functions held at iconic venues, a comprehensive exhibition of products and services, technical tours showcasing the very best of the best, and partner tours and activities, this is a Conference offering something for everybody involved with public works.

This is your chance to witness the significant change that has occurred in Perth in recent years and when you have finished with the Conference, take time to sample some great wines and food, or take a stroll along the many great white sandy beaches that the west coast is renowned for.

We particularly welcome all our sponsors and exhibitors, our international delegates and young delegates, especially those attending their first Conference.

Dave Harris
CHAIR, CONFERENCE ORGANISING COMMITTEE
PAST PRESIDENT, IPWEA AUSTRALASIA
The Institute of Public Works Engineering Australasia (IPWEA) is the professional organisation providing member services and advocacy for those involved in and delivering public works and engineering services to the community both in Australia and New Zealand.

Almost all of Australia and New Zealand’s professional consultancy firms which specialise in public sector infrastructure including roads, water, power, rail, ports and airports – are members of IPWEA.

The evolvement of IPWEA over the past decade from its traditional local government engineering focus to public works has added a new dimension to public works professionalism. Members come from the wide range of professions involved in public works and services – engineers, technicians, public works directors, contractors, consultants, managers, and other technical staff and managers. Membership grades also reflect their achievements within the Institute.

IPWEA is recognised nationally and internationally for its leadership and delivery of products and services aimed at advancing public works knowledge and delivering better outcomes for the community.

Reasons to Attend
The IPWEA International Public Works Conference is the largest public works Conference held in Australia and is only held once in every two years. Choose from 6 concurrent streams, with over 100 papers, plus 5 plenary sessions with expert keynote speakers.

The benefits received from attending this important Conference include:

- Networking with your peers
- Discuss the latest trends
- Build professional bridges to the future
- Get the latest word on emerging issues
- Put professional challenges in perspective
- Take home the best of ideas and innovations
- Gain continuing education specific to public works
- Learn about the latest technological advances
- Network with international public works professionals
- Visit the comprehensive exhibition of new products and services
- Meet consultants and private-sector representatives from all areas of public works

DELEGATE PRIZE
ALL FULL CONFERENCE DELEGATES WILL BE ELIGIBLE TO WIN A KAWASAKI NINJA MOTORCYCLE!

Conditions apply. For full competition details please visit: www.assetfinda.com/prize-register

PROUDLY SPONSORED BY
Asset Finda
HOST CITY
PERTH

Set on the banks of the broad Swan River, this modern city is often described as the most isolated city of its size in the Western World. Boasting more hours of sunshine than any other capital City in Australia, the pleasant weather and diverse mix of urban, coastal and culinary experiences makes Perth an ideal holiday destination for both domestic and international visitors.

The whole region around Perth has been likened to one big holiday resort with multiple attractions, miles of clean beaches and waterways, award-winning wineries, adventure activities of every kind and accommodation to suit all budgets.

The city is lined with pedestrian malls jam-packed with a wide variety of shops from inventive boutiques to national and global flagship stores where you can stock up on stylish fashions, buy some Aboriginal art or simply sit at a café and watch the parades of people passing by.

For more information on Perth contact the Western Australian Visitor Centre.

Street Address:  
55 William Street, Perth  
Western Australia 6000

Postal Address:  
GPO Box 2545, Perth WA 6001

Telephone: +61 8 9483 1111  
or toll free in Australia 1800 812 808

Email: travel@westernaustralia.com

Website: www.wavisitorcentre.com.au

HOST VENUE
PERTH CONVENTION AND EXHIBITION CENTRE

Address:  
21 Mounts Bay Road, Perth  
Western Australia 6000

Telephone: +61 (0)8 9338 0300

Email: info@pcec.com.au

Website: www.pcec.com.au

The Perth Convention and Exhibition Centre (PCEC) was purpose-built to cater to all requirements of modern conferences and events, small and large.

Through the innovative fusion of space, catering, technology and design, PCEC provides an unequalled range of meeting possibilities optimally suited to promoting positive interactions between business, industry and community.

With an estimated 900,000 people attending one (or more) of the 600 plus events conducted at Perth Convention and Exhibition Centre each year, it’s no surprise PCEC is Perth’s premier business event destination.
CONFERENCE ORGANISING COMMITTEE

Dave Harris
Robert Fuller
Ross Moody
Cathy Higgs
Allan Claydon
Anthony Vuleta
Doug Pearson
Ian Thew
Tom Stacey

CITY OF GOSNELLS
IPWEA
IPWEA
IPWEA WA
CITY OF MANDURAH
TOWN OF VICTORIA PARK
CITY OF BAYSWATER
OPUS

CHAIR
CEO
EXECUTIVE OFFICER
EVENTS & TRAINING COORDINATOR

CONFERENCE ORGANISERS

All Occasions Group

Address: 12 Stirling Street, Thebarton SA 5031
Telephone: +61 8 8125 2200
Email: conference@aomevents.com
Website: www.alloccasionsgroup.com
Jon Williams

JOINT GLOBAL LEADER, PEOPLE & ORGANISATION, MANAGING PARTNER AT PWC

Jon leads PwC’s People business in Australia and is also Global Leader for People and Organisation – which provides a range of Human Capital solutions and consulting through 10,000 Partners and staff in 138 Countries. He has expertise in leadership, organisational culture, talent management and employee capability development and engagement.

Jon has over 25 years consulting experience across Europe, Asia and Australia helping clients primarily in the banking, retail, consumer goods and telecommunications industries.

Prior to joining PwC Jon was the Managing Principal for the Gallup Organisation in Australia and New Zealand and prior to that Asian Region Talent Practice leader and Managing Director, Australia/ New Zealand for Hewitt Associates.

The Hon Kim Beazley, AC

FORMER DEPUTY PRIME MINISTER OF AUSTRALIA AND AUSTRALIAN AMBASSADOR TO THE UNITED STATES OF AMERICA

Mr Beazley was elected to the Federal Parliament in 1980 and represented the electorates of Swan (1980-96) and Brand (1996-2007).

Simon Ginn

ENGINEER & URBAN PLANNER

Simon is an engineer and urban planner with over 25 years’ experience in planning infrastructure. The focus of Simon’s career has been on planning transport infrastructure and the layout and design of the urban form.
He holds degrees in engineering, sciences, urban planning and marketing. He is a chartered engineer.

Simon has worked on key infrastructure projects in Australia, New Zealand, Middle East, Europe and North America. Simon is a bit of a visionary and regularly thinks ‘outside the box’

Dhakshy Sooriyakumaran
YLAB DIRECTOR, FOUNDATION FOR YOUNG AUSTRALIANS

Dhakshy is a Director of YLab, a new social enterprise being incubated by the Foundation for Young Australians. YLab is a global youth-led social solutions incubator and education provider. Its mission is to build a global network of young people and institutions taking on the biggest challenges of our time.

Dhakshy is a social entrepreneur, recovering civil engineer, management consultant and yoga teacher. She has led the design of large scale programs for young people such as $20 Boss and specialises in the development of social impact strategy and impact measurement frameworks. Dhakshy has worked across public, private and not-for-profit sectors for a range of organisations including the United Nations International Strategy for Disaster Reduction (UNISDR) in Fiji, Net Balance, Small Giants, Sinclair Knight Merz (now Jacobs). She holds a Bachelor’s Degree in Civil Engineering and Arts from the University of Melbourne and a Graduate Certificate in Social Impact from Melbourne Business School.

Professor Majid Sarvi
PROFESSOR, MELBOURNE UNIVERSITY

Majid Sarvi is the Chair in Transport Engineering and the Professor in Transport for Smart Cities at the University of Melbourne. He received his PhD degree in Transportation Engineering from Tokyo University (2001). He also holds a M.Eng and B.Eng degrees in Civil Engineering.

He has over 20 years of professional, academic and research experience in the areas of traffic and transport engineering. His researches are multidisciplinary with international outlook and both theoretically oriented and applied in nature. His fields of research cover a range of topics, including: crowd dynamic modelling and simulation, large-scale multimodal transport network modelling, vulnerability and optimization, as well as traffic flow theory and operations.

He has been the author/co-author of over 220 refereed publications in top transportation journals and various Conference and symposia proceedings. This includes 88 ISI publications listed in Scopus and 5 papers in the International symposium of Traffic and Transportation Theory (ISTTT). He currently serves on the editorial board of several journals including Transportation Research Part C, Journal of Advanced Transportation, Transportmetrica, and Journal of Transportation Letters.
One of Ireland’s finest exports, Gerry Gannon has been a journalist, broadcaster, MC and media trainer in Australia for the last 30 years and is now one of the best known speakers and facilitators in Australia.

After a decade with ABC radio in Western Australia, Gerry left to pursue a career that would bring him closer to audiences and allow him to explore parts of the world he couldn’t do from the inside of a radio studio. He established Indonesia’s first English language radio station in Bali, served on the council, and as President, of the Royal Flying Doctor Service and on the board of the Tourism Council of WA.

Gerry is committed to community and non-profit organisations and has also been a board member of Access 31 Television, Kids Help Line and is a Fellow of the Australian Institute of Company Directors.

Gerry’s real passion is people; whether it is helping them reach their potential through training and support, MC at an event or providing valuable perspective and advice, Gerry’s easy humour and experience provides a refreshing opportunity for growth and knowledge for everyone he meets.

A specialist Conference MC, facilitator and media expert, Gerry is renowned for his wit, passion, easy-going nature and commitment to those he works with. He has worked extensively in both Australia and overseas and provides media skills training to government, not-for-profit organisations and industry entities, as well as conducting speech and presentation training courses.
INTERNATIONAL FELLOWSHIP PROGRAM

The American Public Works Association (APWA) International Affairs Committee and Eisenhower Institute at Gettysburg College have awarded two Jennings Randolph Fellowships for attendance at the Conference. The fellowship awardees, Evan Pratt and Joanne Zhang will both speak in sessions during the Conference.

Evan Pratt

Evan is currently the Director of Public Works & Water Resources Commissioner with Washtenaw County, MI. His study project will focus on Asset Management in Australia and New Zealand, and will result in a strong story to share with APWA and legislators about legislative mechanisms, administrative structure, and government’s role in technical support to link funding with Asset Management.

Joanne Zhang

Joanne is a Public Sector Civil Engineer from Los Angeles, California. She has diverse perspective and multi-disciplinary experience in construction management, project management, structural engineering and private development services. Millennial recruiter and mentor with a passion for fostering innovation and creativity in Public Works.

The purpose of Joanne’s study tour is to study the ways that Australia is fostering a culture of innovation in Public Works and its effect on attracting and retaining talent and on capital project delivery. The goal is to provide insight on how Australia has implemented successful initiatives to foster a culture of innovation with limited resources and to inform an effective Innovation Strategy for the American Public Works.
## Preliminary Program Outline
### Sunday, 20 August 2017

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>15.00 - 19.45</td>
<td>Registration Open</td>
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<tr>
<td>17.00 – 18.00</td>
<td>International Delegates &amp; Under 35’s Welcome (by invitation only)</td>
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<tr>
<td>18.00 – 20.00</td>
<td>Welcome Reception Sponsored by Complete Urban</td>
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### Monday, 21 August 2017

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>07.15</td>
<td>Registration Open</td>
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<tr>
<td></td>
<td>Complimentary Light Breakfast in the Exhibition Hall</td>
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<tr>
<td>08.15</td>
<td>Official Opening Ceremony &amp; Special Welcome</td>
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<tr>
<td>09.15</td>
<td>Keynote Address: The Future of Work</td>
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<td></td>
<td>Jon Williams, Joint Global Leader, People &amp; Organisation, Managing Partner - PwC</td>
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<tr>
<td>10.00</td>
<td>Morning Tea in the Exhibition Hall</td>
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<tr>
<td>10.30</td>
<td>SESSION 1</td>
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<td></td>
<td><strong>Mobility I</strong></td>
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<td></td>
<td>One Road Network Classification – NZ Road Network</td>
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<td></td>
<td>Garry McGraw, Kapara District Council, New Zealand</td>
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<td></td>
<td>How to Sweat Our High Value Assets</td>
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<td></td>
<td>Claire Vanderplank, Department of Transport, Western Australia</td>
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<td></td>
<td>The Road Efficiency Group: Transforming Transportation Asset Management in NZ</td>
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<td></td>
<td>Grant Holland, Waugh Infrastructure Management Ltd, New Zealand</td>
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<tr>
<td></td>
<td><strong>Innovation &amp; Technology I</strong></td>
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<td></td>
<td>Characteristics of Pavement Materials Treated with Polycrylamide Based Additive Romel Georges, Swinburne University of Technology, Victoria Evaluation of Additives for Insitu Recycling of Local Government Roads Don Cameron, University of South Australia Disruption and Revolution: A Road to Innovation Mark Pilgrim, Stabilcorp Pty Ltd, New South Wales</td>
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<td></td>
<td><strong>Leadership &amp; Management I</strong></td>
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<td></td>
<td>Relationship Contracting For Civil Construction by Standing Offer Panel Arrangements Simon Mauolf, Logan City Council, Queensland How Commercialising Coffs Cityworks Created Benefits For The Council, Community and Staff Dan Bonifant, Morrisan Low, New South Wales How an Organisation Adapted into a New Working Environment Neil Beckett, New Zealand Transport Agency, New Zealand</td>
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<tr>
<td></td>
<td><strong>Community &amp; Infrastructure I</strong></td>
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<td></td>
<td>It’s Your Community... So Communicate Greg Blaze, Maitland City Council, New South Wales Community Transformation Through Engagement Kathryn Johnson, Port Pirie Regional Council, South Australia Witchliffe Eco Village – Designing a Sustainable Community Wayne Pragnell, Sustainable Settlements, Western Australia</td>
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<tr>
<td></td>
<td><strong>Pavements 1</strong></td>
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<td>Evaluation of Remaining Life of Asphalt Pavement Using FWD Komsun Siripun, Pavement Management Services, Western Australia Best Practice in Pavement Engineering Dr Bryan Plidwesbesky, Fulton Hogan, New Zealand Sustainable Approach to Maintenance of Low Trafficked Surfaced Roads Trevor Distin, Coles Australia, New South Wales</td>
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<tr>
<td>12.00</td>
<td>Lunch in the Exhibition Hall</td>
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<tr>
<td>13.00</td>
<td>Keynote Address: American Alliance in the Year of Trump</td>
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<td></td>
<td>Kim Beazley, Former Deputy Prime Minister of Australia &amp; Australian Ambassador to the USA</td>
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</table>
Preliminary Program Outline

14.00 • SESSION 2

**Mobility II**
- A New Approach to Developing Integrated Efficient Public Transport – First Mile
  Gleb Kolenbet, Redland City Council, Queensland
- The Human Rights of Footpath Access
  Ken Bolt, Bayside City Council, Victoria

**Innovation & Technology II**
- Ocean Road Recreation Area - Wastewater Re-Use
  Terry Blanchard, City of Mandurah, Western Australia
- Managing the Energy Transition Through the Diversification of Renewable Energy
  John Davidson, Energy Made Clean, Western Australia

**Leadership & Management II**
- Challenges and Triumphs when Implementing a Work Management System
  Alison Saunders, City of Greater Dandenong, Victoria
- Developing Your Next Presentation To Effectively Communicate and Achieve Focussed Outcomes
  Chris Champion, Institute Of Public Works Engineering Australasia, New South Wales

**Community & Infrastructure II**
- Embedding Culture into Community and Family Centres
  Mr Saunah, Wyndham City Council, Victoria
- The Use of Variable Programmes Co-Efficients In Urban Drainage
  Andrew Mary, Marino Evangelisti

**Stormwater I**
- Time for Concentration – Stormwater Management In Bendigo
  Mark Atkinson, City Of Greater Bendigo, Victoria
- The Use of Variable Programmes Co-Efficients In Urban Drainage
  Andrew Mary, Marino Evangelisti

15.00 • Afternoon Tea & Speed Networking in the Exhibition Hall

16.00 - 17.00 • SESSION 3

**Mobility III**
- Clip on Cycleway
  Ken Robinson, Wagners Composite Fibre Technologies, Queensland
- Improving Pedestrian, Bicycle and Public Transportation
  Traffic Winter Conditions In Helsinki
  Esko Laiho, City Of Helsinki
  Public Works Department, Uusimaa, Finland

**Innovation & Technology III**
- Non Destructive Structural Assessment of Structures Using In-Service Dynamic Response
  James O’Grady, Mainmark, Victoria
- Virtual Survey – A Coming of Age
  Gareth Evans, MNG Survey, Western Australia

**Leadership & Management III**
- Formation Flying: Creating The ‘Uber’ Work Environment For Professional Services
  Caroline Boot, Plan A Ltd, Auckland, New Zealand
- Innovation: Harnessing the Power of Creative Minds
  Colin Chapman, Queensland Urban Utilities, Queensland

**Community & Infrastructure III**
- Mandurah Aquatic and Recreation Centre Redevelopment
  Matthew Hall, City Of Mandurah, Western Australia
- The Adventure Park – Kwinana
  Reza Najafzadeh, City Of Kwinana, Western Australia

**Stormwater II**
- Yangebup Lane WA Solar Power Nutrient Stripping Trial
  Christopher Beaton, City of Cockburn, Western Australia
- Biophillic Design In a WA Context
  Brendan Oversby, Colibre Consulting, Western Australia

19.00 • Night Market Dinner at the Perth Convention & Exhibition Centre – Don’t forget to wear your loud shirt!
## PRELIMINARY PROGRAM OUTLINE

### TUESDAY, 22 AUGUST 2017

<table>
<thead>
<tr>
<th>Time</th>
<th>Session/Event</th>
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<tbody>
<tr>
<td>07.30</td>
<td>Registration Open</td>
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<tr>
<td>07.30</td>
<td>Complimentary Light Breakfast in the Exhibition Hall</td>
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<tr>
<td>08.30</td>
<td><strong>Keynote Address:</strong> How Driverless Cars &amp; Trucks May Impact on Society and The Future Design &amp; Layout of Built Infrastructure</td>
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<tr>
<td>08.30</td>
<td>Simon Ginn, ENGINEER &amp; URBAN PLANNER</td>
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<tr>
<td>08.30</td>
<td>Followed by a Panel Session facilitated by Gerry Gannon</td>
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<tr>
<td>10.00</td>
<td>Morning Tea in the Exhibition Hall</td>
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<tr>
<td>10.30</td>
<td><strong>SESSION 4</strong></td>
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<td></td>
<td>Mobility IV</td>
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<td></td>
<td>Connecting Cities Through Foot &amp; Pedal</td>
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<td></td>
<td>Louise Fogarty, Jacobs, Western Australia</td>
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<td>Perth End of Trip Facilities Study</td>
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<td></td>
<td>A. McCormick, A. Greig &amp; C. Gazey</td>
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<td></td>
<td>Innovation &amp; Technology IV</td>
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<td>Advancing a Smart Street Light Project</td>
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<td>Ren Niemann &amp; John Kettle, McCullough, Robertson, Queensland</td>
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<td>Smart Street Lighting, Smart City, Smart Standards</td>
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<td>Anthony Ogle, City of Ryde, New South Wales</td>
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<td>New Technologies or Smart Cities</td>
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<td>Henk De Graaf, Western Australia</td>
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<td></td>
<td>Leadership &amp; Management IV</td>
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<td></td>
<td>An Overview of IPWEA 2016 International Study Tour</td>
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<td>Gleb Kolenbet, Redland City Council, Queensland</td>
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<td></td>
<td>Engineering Cadetships in Councils Workforce Planning – NSW YIPWEA’S Perspective</td>
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<td>Hamish Scrope, Queanbeyan Palerang, Regional Council, Australian Capital Territory</td>
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<td>Collaboration and Business Case Approach – A Journey Of Discovery From the Shakey Isles</td>
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<td>Edward Guy &amp; Neil Cook, Rationale Ltd, New Zealand</td>
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<td>Community &amp; Infrastructure III</td>
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<td></td>
<td>Mills Park Redevelopment Project</td>
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<td>Paul McAllister, City Of Gosnells, Western Australia</td>
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<td>Iue-Green Pocket Park for Long Term Central Park Vision</td>
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<td>Jennie Arts, &amp; Jeremy Maher, City of Bayswater, Western Australia</td>
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<td></td>
<td>Factors Behind Maintenance and Energy Costs in School Buildings</td>
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<td>Topi Korpela, Grandlund Ltd., Finland</td>
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<tr>
<td>12.00</td>
<td>Lunch in the Exhibition Hall</td>
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<tr>
<td>12.45</td>
<td><strong>3M Keynote:</strong> Safe Roads Of The Future – Technology Platforms</td>
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<td>Presented by 3M Head Office, ST PAUL, MINNESOTA</td>
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PRELIMINARY PROGRAM OUTLINE

13.30

**SESSION 5**

**Urban Design**
- Sustainability; Life, Liberty and the Pursuit of Negative Entropy
  - John Milne, Clark County Public Works, Washington, USA
- Tree Retention and Applying AS 4970 in Perth
  - Roderick Badenstaff, Arbour Centre P/L, Western Australia
- Implementing an Urban Tree Canopy Program for the City of Swan
  - Shelley Shepherd, Urbaplan, Western Australia

**Innovation & Technology V**
- Maintaining Street Dust at Minimum Level
  - Tarja Mylär, Maintenance Engineer, Finland
- Long Life Pavement Marking Trial
  - Michael Chin, Main Roads, Western Australia

**Leadership & Management V**
- Diversity Powers Innovation
  - Priyanka de Silva-Currie, Calibre Consulting Ltd, New Zealand
- Collaborative Integration – Bridging the Workplace
  - Kevin Hill, Western Bay Of Plenty District Council, New Zealand
- Almost 50 Years a Civil Engineer
  - Terry McIvor, Townswooba Regional Council, Queensland

**Stormwater III**
- Sustainable Water Management – New Directions
  - Jim Davies & Alex Rogers, JDA Consultant Hydrologists, Western Australia
- Flood Mitigation For Existing Urban Environments
  - Justin Hinch, Wannambool City Council, Victoria
- Source Control Stormwater Management
  - Owen Richards & Simon Wailis, SOMe Engineering

**ARRB II**
- Technical sessions with a focus on road pavements. Details TBA

**Asset Management V**
- Engaging US Communities in Setting Level of Service Goals: Development Of Standard LOS Goals For Drinking Water
  - Heather Kimmelberger, Southwest Environmental Finance Center, New Mexico, USA
- Towoomba Regional Council: The Level Of Service Journey For Road Services
  - M. Brady, J. Welligamge, G. Jordan

- Preparing A Road Investment Plan Case Study: Ramu Highway Papua New Guinea
  - Dr Neville Binning, EDAB Consulting P/L & Brian Hartley, Shawmac, Western Australia

15.30 - 17.00

**SESSION 6**

**Risk Management**
- Disaster Hub - A New Way of Connecting With Our Community During Disasters
  - Mr Andrew Ryan, Sunshine Coast Council, Queensland
- Disaster Recovery Clean Up Phase Learnings
  - Mr Rene Baur, Shire of Mundaring, Western Australia
- WCC Project Management Framework
  - Mark Roebuck, Wollongong City Council, New South Wales

**Innovation & Technology VI**
- Environmental Removal of Oil Spills Without Damage to Infrastructure Materials
  - Gary Pearse, 5200 Oilgone, New South Wales
- Digest This – Waste to Energy
  - George Ridley, Cowra Shire Council, New South Wales

**Leadership & Management VI**
- Organisational Management
  - Saren Gais Kjeldsen, Environmental and Energy Department, KTC Denmark, Northern Jutland, Denmark
- Clever Buying: Grounding the Best International Procurement Model
  - Ms Caroline Boot, Plan A Ltd, New Zealand
- Innovative Leadership In Logan City
  - Silvio Trina & T Goodhew, Logan City Council, Queensland

**Stormwater IV**
- Joint Probability Hydrology – Groundwater & Rainfall
  - Martin Wright
- City of Armadale – The Water Resource Management for Land Development
  - Neil Burbridge, City of Armadale, Western Australia
- Design Criteria for Low Grade Drainage Systems
  - Marino Evangelisti, P Wiseman

**ARRB III**
- Technical sessions with a focus on road pavements. Details TBA

**Asset Management VI**
- The Evolving Acronym: Development Of Asset Class Lifecycle Strategies & Plans
  - Cameron Jessup, TasWater, Tasmania
- Water Asset Management Advances In The US
  - Heather Kimmelberger, Southwest Environmental Finance Center, New Mexico, USA
- Sustainable Road Maintenance Strategies To Build A Resilient Road Network
  - M Nossin, Campbelltown City Council, New South Wales

15.00

Afternoon Tea in the Exhibition Hall

Delegates Free Time to Explore Perth
# PRELIMINARY PROGRAM OUTLINE

## WEDNESDAY, 23 AUGUST 2017

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>08.30</td>
<td>Young IPWEA Address by the Young IPWEA Chair</td>
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<td><strong>Keynote Address: The Children of the Disruptive Technology Age – What can they expect from the workplace</strong></td>
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<tr>
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<td>Dhakshy Sooriyakumaran, FOUNDATION FOR YOUNG AUSTRALIANS</td>
</tr>
<tr>
<td>Followed by a Panel Session facilitated by Gerry Gannon</td>
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</tr>
<tr>
<td>10.00</td>
<td>Morning Tea in the Exhibition Hall</td>
</tr>
<tr>
<td>10.30</td>
<td><strong>SESSION 7</strong></td>
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<tr>
<td></td>
<td>Pavements II</td>
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<tr>
<td></td>
<td>Driving Value in Long Term Road Maintenance Contracts</td>
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<tr>
<td></td>
<td>Marcus Stephens, Downer, Victoria</td>
</tr>
<tr>
<td></td>
<td>Pavement Modelling In Main Roads Western Australia – Are We There Yet.</td>
</tr>
<tr>
<td></td>
<td>Li Qindong, Main Roads, Western Australia</td>
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<tr>
<td></td>
<td>Unsealed Roads – Make Marginal Materials Matter</td>
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<tr>
<td></td>
<td>Malcolm Styles, Engineering Management Styles, Victoria</td>
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<tr>
<td></td>
<td><strong>Innovation &amp; Technology VII</strong></td>
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<tr>
<td></td>
<td>The Queensland Urban Utilities Innovation Precinct – Transforming</td>
</tr>
<tr>
<td></td>
<td>Complex Waste Problems</td>
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<tr>
<td></td>
<td>Colin Chapman, Queensland Urban Utilities, Queensland</td>
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<td></td>
<td>Use of RCPP Recycled Materials to Build a New Recycling Facility</td>
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<tr>
<td></td>
<td>Jake Hickey, Instant Waste Management, Western Australia</td>
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<td></td>
<td><strong>Coastal Management</strong></td>
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<tr>
<td></td>
<td>Eastern Foreshore Seawall</td>
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<tr>
<td></td>
<td>Mr Matthew Hall, City Of Mandurah &amp; Dale Olsson, M P Rogers &amp;</td>
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<tr>
<td></td>
<td>Associates, Western Australia</td>
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<tr>
<td></td>
<td>Balancing Coastal Protection with Waterfront Living</td>
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<tr>
<td></td>
<td>Dale Olsson, M P Rogers &amp; Associates, Western Australia</td>
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<td></td>
<td><strong>Stormwater V</strong></td>
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<tr>
<td></td>
<td>Urban Stormwater Technologies</td>
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<td></td>
<td>Catch Basin Insert</td>
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<tr>
<td></td>
<td>Craig Rothleitner, Urban Stormwater Technologies, Western Australia</td>
</tr>
<tr>
<td></td>
<td>Innovative Stormwater Infrastructure – The Green Square</td>
</tr>
<tr>
<td></td>
<td>Stormwater Drain</td>
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<tr>
<td></td>
<td>Peter Shields, City of Sydney News South Wales, Aus</td>
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<tr>
<td></td>
<td>Two Mile Creek Waihi Beach</td>
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<td></td>
<td>Kelvin Hill, Western Bay Of Plenty District Council, New Zealand</td>
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<tr>
<td></td>
<td>**Innovative Stormwater Infrastructure – The City of Gosnells</td>
</tr>
<tr>
<td></td>
<td>drainage maintenance story</td>
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<tr>
<td></td>
<td>Michael Byeens, City of Gosnells, Western Australia</td>
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<tr>
<td></td>
<td><strong>Award Winning Papers</strong></td>
</tr>
<tr>
<td></td>
<td>Hynds Best Paper winner from the 2017 IPWEA (NZ) Conference</td>
</tr>
<tr>
<td></td>
<td>Fostering Innovation and Creativity in Public Works</td>
</tr>
<tr>
<td></td>
<td>Joanne Zhang, is a recipient of the APWA 2017 Jennings Randolph</td>
</tr>
<tr>
<td></td>
<td>International Fellow, USA</td>
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<td></td>
<td>Improving USA Asset Management Using a Commonwealth Countries Model</td>
</tr>
<tr>
<td></td>
<td>Evan Pratt, 2017 Jennings Randolph International Fellow, Director of</td>
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<tr>
<td></td>
<td>Public Works &amp; Water Resources Commissioner, Michigan, USA</td>
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<tr>
<td>12.00</td>
<td>Lunch in the Exhibition Hall</td>
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</table>
PRELIMINARY PROGRAM OUTLINE

13.00 SESSION 8

Bridges
New Mandurah Traffic Bridge - Incrementally Launched
Superstructure
B. Vujovic, Western Australia
Safety Guidelines For City Bridges - An Asset Management Approach
Msc Kambiz Elm Anaraki, Gemeente Rotterdam, Zuid-Holland, Netherlands
Innovative Engineering To Replace Small Bridges
Peter Marchant, ITS Pipetech Pty Ltd, New South Wales

Road Signage & Markings
Experience New Roadside Technology in Action!
This interactive workshop will give delegates a Virtual Reality Experience through various road environments containing traffic signage, pavement marking and vehicle safety solutions. Informative and hands on - this workshop is not to be missed.

Street Lighting
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 3rd International SLSC Conference held in March will be presented.

Pavements III
Polymer Modified Bitumen Emulsion Surface Treatments in Brisbane
Greg Stephenson, Brisbane City Council, Queensland
Doubling the Benefit of Emulsion Seals
Mr Rory Bracken, Fulton Hogan, Victoria
City of Sydney - Reducing Greenhouse Gas Emissions By Adopting Low Carbon Asphalt
Ross Ioakim, Downer, New South Wales

Asset Management VIII
Data: We Have Lift Off
Stuart Joyce, Morphum Environmental, Victoria
New Frontiers in Asset Management
Ben Lawson & Matthew Christensen, Common Thread Consulting New South Wales
Improve Asset Management Community Engagement
Michelle Kennedy, City Of Burnside, South Australia
Asset Management A Catalyst For Change, The Yarra Ranges Story
Julia Geiberras, Yarra Ranges Council, Victoria

14.30 Afternoon Tea in the Exhibition Hall
Trade Exhibition Closes - Asset Finda Prize Draw

15.00 Keynote Address: Connected Multimodal Transport Test Bed a Path to Autonomous Transport
Professor Majid Sarvi, UNIVERSITY OF MELBOURNE, PROFESSOR IN TRANSPORT FOR SMART CITIES
Followed by a Panel Session facilitated by Gerry Gannon

16.30 - 16.45 Conference Closing Session & Invitation to the 2019 International Public Works Conference

19.00 Grand Platinum Conference Dinner at the Crown Perth - Sponsored by Komatsu

THURSDAY, 24 AUGUST 2017

Technical Tours

Street Lighting Workshop

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.
# SOCIAL PROGRAM

## International Delegates and Under 35’s Welcome

<table>
<thead>
<tr>
<th>Date</th>
<th>Sunday 20 August 2017</th>
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</thead>
<tbody>
<tr>
<td>When</td>
<td>5.00pm – 6.00pm</td>
</tr>
<tr>
<td>Where</td>
<td>Perth Convention and Exhibition Centre</td>
</tr>
<tr>
<td>Dress</td>
<td>Neat Casual</td>
</tr>
</tbody>
</table>

An exclusive invitation-only event dedicated to welcoming our international delegates and delegates under the age thirty-five.

## Welcome Reception

<table>
<thead>
<tr>
<th>Date</th>
<th>Sunday 20 August 2017</th>
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</thead>
<tbody>
<tr>
<td>When</td>
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</tr>
<tr>
<td>Where</td>
<td>Perth Convention and Exhibition Centre</td>
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<tr>
<td>Additional</td>
<td></td>
</tr>
<tr>
<td>Tickets</td>
<td>$70</td>
</tr>
<tr>
<td>Dress</td>
<td>Smart Casual</td>
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</table>

The Welcome Reception is the first official function of the 2017 Conference. Join delegates and partners for drinks, refreshments and networking. The Reception will be held in this year’s Conference venue; the Perth Convention and Exhibition Centre.

## Night Market Dinner

<table>
<thead>
<tr>
<th>Date</th>
<th>Monday 21 August 2017</th>
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</thead>
<tbody>
<tr>
<td>When</td>
<td>7.00pm – Late</td>
</tr>
<tr>
<td>Where</td>
<td>BelleVue Ballroom, Perth Convention and Exhibition Centre</td>
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<tr>
<td>Additional</td>
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<tr>
<td>Tickets</td>
<td>$160</td>
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<tr>
<td>Dress</td>
<td>Wear Your Loud Shirt!</td>
</tr>
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</table>

Enjoy a fun and relaxing casual dinner held at the Perth Convention and Exhibition Centre in our very own Night Market. Delegates are encouraged to dress for the occasion and wear something loud and outrageous! Delegates will delight with the wonderful food and drinks on offer and have the opportunity to unwind after the first official day of the Conference.

## Grand Platinum Conference Dinner

<table>
<thead>
<tr>
<th>Date</th>
<th>Wednesday 23 August 2017</th>
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<tbody>
<tr>
<td>When</td>
<td>7.00pm – Late</td>
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<tr>
<td>Where</td>
<td>Grand Ballroom, Crown Perth</td>
</tr>
<tr>
<td>Additional</td>
<td></td>
</tr>
<tr>
<td>Tickets</td>
<td>$170</td>
</tr>
<tr>
<td>Dress</td>
<td>Formal Attire</td>
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</table>

The Grand Platinum Conference Dinner will be a night of sophistication and elegance, held in the stunning Grand Ballroom of the Crown Perth. Celebrate the successes of fellow colleagues with the presentation of the major IPWEA Excellence Awards and enjoy the carefully selected food and wine options. This will be the last social event of the Conference and a night not to be missed!
TECHNICAL TOURS

Technical Tour 1
Perth – Our Capital

<table>
<thead>
<tr>
<th>Date:</th>
<th>Thursday, 24 August 2017</th>
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<tbody>
<tr>
<td>Time:</td>
<td>9.00am – 4.00pm</td>
</tr>
<tr>
<td>Cost:</td>
<td>$125</td>
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</table>

This tour will highlight a variety of exciting and innovative major projects in and around the Perth City Centre. The tour will commence with a short walk from the Perth Convention and Exhibition Centre (PCEC) to Elizabeth Quay. This landmark waterfront development reconnects Perth City with the Swan River to create a dynamic new entertainment and leisure precinct, set around a stunning 2.7km inlet. From here, we will catch the ferry across the Swan River to South Perth to hear about the South Perth Foreshore Strategy and Management Plan including the South Perth Station Precinct. Following lunch at the historic Windsor Hotel, the tour will return to the CBD via coach to the Perth City Link and Busport. Located in the heart of Perth’s CBD, Perth City Link is one of the City’s most exciting redevelopments. The project will reconnect the CBD with Northbridge for the first time in more than 100 years. The area, once just a network of bus and train connections, will become an exciting new destination with housing, shops, restaurants, offices and more. The train line separating Perth and Northbridge has always allowed easy access to the City, but limited the growth of the CBD to the North. Sinking the rail line and Wellington Street Bus Station will create a 13.5 hectare space with a wealth of exciting new possibilities. The new underground busport is a $217M project and a state of the art facility designed to accommodate 3,500 bus services per day by 2031.

Tour includes transfers, morning tea and lunch.

Please note that all tours are subject to minimum and maximum numbers. Please book early to guarantee a seat.

Technical Tour 2
Major Infrastructure

<table>
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<tr>
<th>Date:</th>
<th>Thursday, 24 August 2017</th>
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<tbody>
<tr>
<td>Time:</td>
<td>8.30am – 4.45pm</td>
</tr>
<tr>
<td>Cost:</td>
<td>$150</td>
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</tbody>
</table>

This tour will focus on some of the major infrastructure projects which have recently been completed or are still underway and are helping to drive our State’s economy. The tour will kick off with a tour of the Gateway WA project, a major highway redevelopment, which incorporate road and bridge improvements, local road modifications, pedestrian and cyclist facilities, noise walls, landscaping and the use of Intelligent Transport System (ITS) technology. Next, we will travel to the air gateway to our State, Perth Airport. The Airport has recently undertaken Master Planning to accommodate unprecedented growth in patronage and the continued development of the site will be on a precinct basis. The visit to the airport will also allow an insight into the Forrestfield Airport Link – a new train line that will connect Forrestfield to the City, opening up Perth’s eastern suburbs to the rail network for the first time and giving Perth Airport users a travel option five minutes faster than by car. From here we will travel to the picturesque Swan Valley for lunch at one of the regions quality wineries. Finally, the tour will visit the NorthLink WA project a component of the Perth-Darwin National Highway. This $1.12 billion project is aimed at improving freight capacity, reducing urban congestion, improving road safety and creating value through affordable infrastructure.

Tour includes transfers, morning tea and lunch.

Please note that all tours are subject to minimum and maximum numbers. Please book early to guarantee a seat.
**TECHNICAL TOURS**

### Technical Tour 3
**Major Sporting/Community Facilities**

<table>
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<tr>
<th>Date</th>
<th>Thursday, 24 August 2017</th>
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<tbody>
<tr>
<td>Time</td>
<td>9.30am – 5.00pm</td>
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<tr>
<td>Cost</td>
<td>$125</td>
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</table>

This tour commences with a visit to the Lathlain Precinct, the new home base for the West Coast Eagles AFL team. This project will be delivered by the Town of Victoria Park in partnership with the West Coast Eagles and Perth Football Club and it aims to set new standards in the delivery of an active community sports complex. From there we will head to the bustling Victoria Park Café strip for lunch at the Balmoral Hotel. Following lunch, the tour will head to Mills Park in Beckenham; a 24 hr recreational space that has been transformed to provide high levels of sport and passive recreation. The Park features a new community centre, expanded green areas, walkways, boardwalks, new sporting infrastructure, rehabilitation of wetlands and waterways and a significant nature play space. Finally, guests will be taken to one of either the new Perth Stadium - a 60,000 seat multipurpose venue capable of hosting AFL, Rugby Union and League, Soccer, Cricket and entertainment events; With a ’fans first’ approach to planning and design, the stadium will offer an unrivalled spectator experience including exception event atmosphere and cutting edge stadium technology, or a tour of the new 6 Star Crown Towers hotel complex.

Tour includes transfers, lunch and afternoon tea.

Please note that all tours are subject to minimum and maximum numbers. Please book early to guarantee a seat.

### Technical Tour 4
**To the South**

<table>
<thead>
<tr>
<th>Date</th>
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<tr>
<td>Time</td>
<td>9.00am – 4.30pm</td>
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<tr>
<td>Cost</td>
<td>$150</td>
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This ‘not so technical tour’ will head to south of Perth to the idyllic coastal City of Mandurah. Once in Mandurah guests will delight in experiencing the Estuary Cruise whilst learning about a number of innovative projects occurring in the area including:

- The old Mandurah traffic bridge replacement;
- The award winning new pedestrian bridge; and
- The eastern foreshore wall replacement.

After lunch, guests will then be taken to the Millbrook Winery to delight in sampling some of their many wines and enjoying some tasty nibbles, before returning to the Perth Convention and Exhibition Centre.

Tour includes transfers, lunch and afternoon tea.

Please note that all tours are subject to minimum and maximum numbers. Please book early to guarantee a seat.
TECHNICAL TOURS

Technical Tour 5
Innovation in Waste Management

Date: Thursday, 24 August 2017
Time: 9.00am – 4.30pm
Cost: $125

Reducing waste to landfill is a key driver for public works practitioners and this tour focuses on some of the innovative waste minimisation projects currently in operation in the region. The tour starts with a visit to two sites operated by the Eastern Metropolitan Regional Council (EMRC). The first site is the Hazelmere Resource Recovery Park. Hazelmere Resource Recovery Park is home to Western Australia’s first mattress and timber waste recycling operations. The purpose of the park is to recover resources from some waste streams thus diverting waste from landfill and providing an opportunity to re-use materials. The Hazelmere Resource Recovery Park at is part of the EMRC’s Resource Recovery Project, an integrated plan for sustainable waste management in the region. As part of the overall Resource Recovery Project, planned expenditure for the Hazelmere Resource Recovery Park is estimated at around $25 million over a five-year period from 2015-2020.

The concept plan for the park includes:
• Commercial and Industrial Waste Sorting Facility;
• Wood Waste to Energy Plant;
• Administration Office;
• Education Centre;
• Materials Recovery Facility;
• Greenwaste Processing Area; and
• Community section of the park.

Next is a visit to the renowned Swan Valley for lunch at one of the region’s quality breweries. From here we travel to the EMRC’s Redhill landfill facility. The EMRC operates this facility on behalf of its six member Councils. This site incorporates modern technologies of sanitary landfill design and operates, including leachate collections and methane gas capture.

Tour includes transfers, morning tea and a lunch.

Please note that all tours are subject to minimum and maximum numbers. Please book early to guarantee a seat.
**WORKSHOP**

**Spotlight on Street Lights and Smart Controls in WA**

**Workshop:**
Implementing the SLSC Programme

**Date:** Thursday, 24th August 2017

**Time:** 8.30am – 1.30pm

**Cost:** $275

**Inclusions:** Morning tea and lunch will be provided. Location to be advised.

IPWEA and the Australian Government, together with peak industry bodies ALGA, LCA, ENA and industry leaders, have developed the Street Lighting and Smart Controls (SLSC) Programme which is setting the direction for removing regulatory barriers and facilitating change to accelerate the rollout of LED street lighting and smart controls. This is a world-wide movement and WA will be expected to play its part in transitioning to this energy saving, cost effective and environmentally responsible new technology.

But how to make this happen has been the biggest hurdle? The SLSC Programme has already provided many free resources, training and information to assist local government and DNSPs to bridge this gap. Every State/Territory is getting this workshop. Now its WA’s turn.

This workshop will seek to achieve the following:

- Explain what the 15 Recommendations from the SLSC Industry Roadmap mean
- Confirm the current arrangement across the energy and street lighting network in WA
- Scope the propensity and willingness of key participants to embrace change
- Identify regulatory and other impediments which exist in WA which if removed could foster new models
- Identify what current arrangements are working well and investigate if these can be replicated elsewhere
- Develop a model/s for change that will achieve the objective of accelerating the take-up and rapid deployment of LED street lighting and smart controls.

**Who is requested to attend?**

The most senior representatives of:

- State Government Department of Energy, Local Government, Infrastructure
- State Energy Regulators
- DNSPs
- Local Council Mayors, GMs and Directors of Engineering
- Major luminaire and smart control suppliers
**ACCOMPANYING PARTNERS TOURS**

We welcome the company of partners during our Conference! As such, the following tours are available for accompanying persons at an additional cost. Please make your booking on the registration form. Tours are subject to minimum and maximum numbers therefore it will be a first-in-first-served policy that will apply.

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**Fremantle Prison’s Tunnel Tour**

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<th>Date:</th>
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<tbody>
<tr>
<td>Cost:</td>
<td>$110</td>
</tr>
<tr>
<td>Duration:</td>
<td>8.00am – 3.30pm</td>
</tr>
</tbody>
</table>

Feeling adventurous? Join us for a day like no other. Get into your hardhat, slip into your overalls, lock into the ladder system and descend approximately 20 metres below the Fremantle Prison to explore a labyrinth of tunnels built by prisoners. Discover original blast holes, bores, oil lamp recesses and artefacts from the days when working in the tunnels was hard labour for prisoners. Following the tour, you will be provided with a list of items of interest and ample time to explore Fremantle in all its beauty. Feel free to wander, shop and soak up the atmosphere before retiring back to Perth for the afternoon. Please note that this tour has some physical requirements. Visitors are required to sign a declaration form before participating in the Tunnels Tour. For further details, please visit [http://fremantleprison.com.au/tours/tour-conditions/](http://fremantleprison.com.au/tours/tour-conditions/)

Tour includes hotel transfers and tour entry. Lunch is not provided.

**Explore the Swan Valley Day Tour**

<table>
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<th>Tuesday, 22 August 2017</th>
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<tr>
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</tr>
<tr>
<td>Duration:</td>
<td>8.30am – 6.00pm</td>
</tr>
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</table>

The tour starts off in Perth with a visit to the famous Kings Park, where you will enjoy fantastic views of the Swan River and the Perth skyline before you visit the Botanic Gardens. You will then make your way over the Swan River and out to the historic town of Guildford, the gateway to the Swan Valley and all of the great activities and venues it holds. Once in the Swan Valley there is a lot to enjoy including a visit to WA’s largest Chocolate factory, a Honey Farm to see a live bee display and taste honey, a Nougat factory to try fresh nougat, Moorish Nuts to grab a handful of delicious nuts and a Coffee works to smell the roasted beans and taste freshly brewed coffee. The Swan Valley is also a renowned wine making region and a visit wouldn’t be complete without a trip to one of the many vineyards. Whilst there you will get to try a variety of their premium wines before sitting down to a sumptuous lunch. After lunch you will head to an Aboriginal art gallery where you can immerse yourself in Aboriginal history and culture whilst also getting the chance to pick up some original art to take home. You will finish the day with a trip to wonderful Caversham Wildlife Park with its huge range of native Australian animals that you can see. Whilst in the Wildlife Park you will get to meet a friendly Wombat, get up close to and feel Koalas as they nestle in Eucalyptus trees and feed Kangaroos as they bask in the afternoon sunshine.

Tour includes hotel transfers and lunch.
Perth Mint and High Tea

Date: Wednesday, 23 August 2017  
Cost: $75  
Duration: 9.30am – 1.00pm

Experience Western Australian history like never before! The Perth Mint offers a unique tour of the grand heritage building, heavily secured vault and the original melting house that have provided the cues for many of the extraordinary stories about Western Australia’s golden history and the Mint’s prolific output of priceless gold bars and coins. Following the tour, you will gain access to the world-class Gold Exhibition which uses the latest innovations in exhibition concept design and audio visual technology. It’s this innovation that brings to life the story of Western Australian gold, and the Perth Mint. Your unique slice of Western Australia history will then be followed by a slice of cake at the C Restaurant’s Classic High Tea. Famed for its panoramic views and delectable dishes, C Restaurant’s High Tea is widely regarded as one of the best in Perth. A tiered array of delicious petit fours will be on offer, as well freshly baked scones, and delicate finger sandwiches, served with bottomless cups of tea or percolated coffee.

Tour includes entry to Perth Mint and High Tea.
REGISTRATION FEES AND INCLUSIONS

The fees outlined below are in Australian Dollars and include a 10% Goods and Services Tax. Delegates must hold a current IPWEA or Engineers Australia Membership at the time of the Conference in order to claim the Member rate. Students must be a full-time student at the time of the conference to access the student rate. Proof may be requested at the registration desk.

<table>
<thead>
<tr>
<th>Registration Category</th>
<th>Early Bird</th>
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<td>Member</td>
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<tr>
<td>Non-member</td>
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<td>$2255</td>
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<tr>
<td>Under 35 Member</td>
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<tr>
<td>Under 35 Non-Member</td>
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<tr>
<td>Student/Retired</td>
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<td>$919</td>
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<td>Day Only Registration</td>
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<tr>
<td>Accompanying Partner</td>
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</table>

Full Conference registration inclusions:
- Conference kit
- Access to all Conference sessions
- Access to trade exhibition
- Social events
- Catered breakfasts, lunches and tea breaks

Day registration inclusions:
- Conference kit
- Conference sessions on nominated day
- Trade exhibition on nominated day
- Catered breakfast, lunch and tea breaks on nominated day

Accompanying Partner registration inclusions:
One Accompanying Partner registration can be included per full conference registration.

This registration includes a ticket to attend the following events:
- Welcome Reception at the Perth Convention & Exhibition Centre
- Casual Dinner at the Perth Convention & Exhibition Centre
- Grand Platinum Dinner at the Crown Perth

ONLINE REGISTRATION
SAVE TIME AND REGISTER ONLINE!

Online registration is available via the conference website at www.ipweapublicworksconferenceperth2017.aomevents.com.au
REGISTRATION FEES AND INCLUSIONS

TERMS AND CONDITIONS

Payment of registration fees
Delegates are to register their attendance using the online registration portal or by completing the registration form contained within this brochure. Payment must be made at the time of registration using a valid credit card (MasterCard, Visa, American Express or Diners Club). The following processing fees will be incurred: 2.8% for VISA and MasterCard, 3.6% for AMEX and 4.95% for Diners. Please note that debits to your credit card will appear as “All Occasions Group” on your statement.

All Occasions Group provides SSL (Secure Socket Layer) technology and 2048RSA bit data encryption to protect your credit card details and personal information. All credit card payments processed by BPOINT are protected by the PCI DSS compliance standard.

Confirmation of registration
Registrations will be acknowledged by email to the address nominated at the time of registration. A tax invoice and receipt will be attached to this email. If a confirmation email is not received within 24 hours of registering, please contact conference@aomevents.com.

Cancellation policy
Delegates unable to attend the Conference are welcome to nominate a substitute delegate. If there is no one that can be nominated as a substitute delegate, a refund of registration fees, less a cancellation fee of $120 will be made if the written cancellation is received by close of business on 20 July 2017. Registration cancellations received after close of business on 20 July 2017 and up to seven days prior to the Conference will receive a 50% refund. No refunds will be given for registration cancellations received within seven days of the Conference; however a substitute delegate may still be nominated.

Privacy policy
The All Occasions Group (encompassing All Occasions Management and All Occasions Travel) complies with all legislation which is designed to protect the rights of the individual to privacy of their information, including the Privacy Act 1988 (Cth). Information collected with respect to your registration for participation in this Conference will only be used for the purposes of planning, conduct of the event or communication regarding future events. These details may be made available to parties directly related to the Conference including but not limited to the IPWEA, the All Occasions Group, venues, accommodation and travel providers (for the purposes of room/travel bookings and Conference options), key sponsors (subject to strict conditions) and other related parties as deemed necessary. It is also usual practice to produce a ‘Delegate List’ of attendees at the Conference and to include the individual’s details in such a list.

By registering to attend this Conference, you acknowledge that the details supplied by you may be used for the above purposes. It is your responsibility to ensure that all information provided to the All Occasions Group is accurate and kept up to date. To access or update your information, please email or fax the All Occasions Group on conference@aomevents.com or 08 8125 2233.

Photography
By attending this Conference, you grant both the Institute of Public Works Australasia (IPWEA) and the All Occasions Group the right to use your image and likeness for marketing and promotional purposes, unless you specifically request removal of the photo or video in writing by emailing your details, the photos details and the Conference name to conference@aomevents.com detailing your request.
Liability/Insurance
In the event of industrial disruptions or natural disasters, the Institute of Public Works Australasia (IPWEA), the Organising Committee, and All Occasions Group cannot accept responsibility for any financial or other losses incurred by the delegates. The IPWEA, the Organising Committee and the All Occasions Group take no responsibility for injury or damage to persons or property occurring during the Conference. All insurance, including medical cover, or expenses incurred in the event of the cancellation of the Conference is the individual delegate’s responsibility.

Attendees are encouraged to choose a travel insurance policy that includes loss of fees/deposits through cancellation of your participation in the Conference, or through the cancellation of the Conference itself, loss of airfares for any reason, medical expenses, loss or damage to personal property, additional expenses and repatriation should travel arrangements have to be altered. The IPWEA, the Organising Committee, and All Occasions Group will take no responsibility for any participant failing to insure.
## ACCOMMODATION

Accommodation has been reserved in close proximity to the Perth Convention and Exhibition Centre with special Conference rates when booked through All Occasions Group. Accommodation rooms are limited and allocation will be strictly on a first-come first-served basis. The accommodation availability and prices shown are current at this time; however, they are subject to change without notice in accordance with the terms and conditions of each supplier. Please book your accommodation as soon as possible to avoid disappointment. Please ensure that you read the terms and conditions carefully before completing your registration as terms differ for each hotel.


<table>
<thead>
<tr>
<th>Hotel Name</th>
<th>Where</th>
<th>Distance from Conference venue</th>
<th>Room</th>
<th>Price per night</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adina Apartment Hotel</td>
<td>33 Mounts Bay Road</td>
<td>100m</td>
<td>One bedroom apartment</td>
<td>$279</td>
</tr>
<tr>
<td>Parmelia Hilton</td>
<td>14 Mill Street</td>
<td>230m</td>
<td>Queen guestroom</td>
<td>$275</td>
</tr>
<tr>
<td>Rendevous Hotel</td>
<td>24 Mount Street</td>
<td>600m</td>
<td>Guest room</td>
<td>$245</td>
</tr>
<tr>
<td>Hotel Name</td>
<td>Where</td>
<td>Distance from Conference venue</td>
<td>Room Type</td>
<td>Rate per night</td>
</tr>
<tr>
<td>----------------------------</td>
<td>----------------------------</td>
<td>---------------------------------</td>
<td>-------------------------</td>
<td>---------------</td>
</tr>
<tr>
<td>Holiday Inn</td>
<td>788 Hay Street</td>
<td>700m</td>
<td>Superior room</td>
<td>$270</td>
</tr>
<tr>
<td>Ibis Perth</td>
<td>334 Murray Street</td>
<td>750m</td>
<td>Standard room</td>
<td>$175</td>
</tr>
<tr>
<td>Pan Pacific Perth</td>
<td>305 Adelaide Terrace</td>
<td>1.9km</td>
<td>Deluxe room</td>
<td>$215</td>
</tr>
<tr>
<td>Four Points by Sheraton</td>
<td>707 Wellington Street</td>
<td>1km</td>
<td>Superior king room</td>
<td>$195</td>
</tr>
<tr>
<td>Mantra on Murray</td>
<td>305 Murray Street</td>
<td>850m</td>
<td>Queen studio apartment</td>
<td>$219</td>
</tr>
<tr>
<td>Duxton Hotel</td>
<td>1 St Georges Terrace</td>
<td>1.5km</td>
<td>Deluxe room</td>
<td>$309</td>
</tr>
</tbody>
</table>
INFORMATION FOR OVERSEAS DELEGATES

Time zone
Perth’s time zone is GMT + 8 hours. Perth is based on Australian Western Standard Time (AWST). Daylight Saving Time is not observed in Western Australia.

Climate
Perth has a mixture of the Californian and Mediterranean climates, with mild winters and hot dry summers. Perth is the sunniest capital in Australia with an average of eight hours sunshine a day. The skies above Perth are often bright blue without a cloud in the sky.

VISA information
All international delegates, apart from New Zealand citizens, must obtain a Visa or Electronic Travel Authority (ETA) before travelling to Australia. Please ensure you organise your documentation well in advance of travel.

Australia’s Electronic Travel Authority (ETA) is an electronically-stored authority for travel to Australia for a short-term tourist or business entry. ETAs are issued within seconds of being requested through computer links between the Australian Immigration Department, travel agents, airlines and specialist service providers around the world. Over 30 countries around the world have access to the free ETA system.

Conference delegates from non-ETA countries will need to obtain a Business (short stay) visa, even if some tourism activities are planned for part of the stay in Australia. It is called a 456 visa if it is issued as a label into a passport. For more information visit the Australian Government Department of Immigration and Border Protection website at www.border.gov.au or visit https://www.eta.immi.gov.au/ETAS3/etas for the ETA Application.

Driving
Reciprocal driving rights exist between Australia and overseas countries. Your driver’s licence must be current. Australian drivers travel on the LEFT hand side of the road and our speed limits are strictly enforced. For more information about driving on WA roads, please visit www.mainroads.wa.gov.au.

Electricity
Australia’s electricity voltage for domestic use is AC 240 volts, 50 cycles. Most hotels have provision for AC 110 volts in the rooms and/or can provide adaptors.

Water
Tap water is filtered, fresh and safe to drink. It conforms to Australian and international drinking water standards.

Medical & Emergency Services
As medical services are not provided free to visitors, it is strongly recommended that health insurance is arranged before arrival. Visitors requiring pharmaceuticals after normal shopping hours should check with their hotel reception or the local Yellow Pages under ‘Chemists’. Phone 13 14 44 for police assistance or 000 for emergencies.

Credit Cards
The practice of payment by credit card is widely accepted throughout Australia. The most common types of cards used in Australia are Visa, MasterCard, American Express and Diners Club.

Shopping
Visitors to Perth are able to shop within the central business district or in one of the many suburban shopping centres. Standard trading hours for general retail shops in the City of Perth are: Monday, Tuesday, Wednesday, Thursday: 8am – 9pm (most trade 9am – 5.30pm) Friday: 8am – 9pm (most trade from 9am) Saturday: 8am – 5pm (most trade from 9am) Duty free stores are located at the International Airport and at various locations within the CBD.
Telephone
Australia has a modern telephone system with wide mobile phone coverage. For international dialing direct call ‘0011’ followed by the country code, area code and then the local number. To call Australia from overseas the access code is ‘61’ and Perth’s area code is ‘08’.

Banking Hours
Perth’s banking hours are generally between 9.30 am and 4.00 pm Monday to Thursday, and until 5.00 pm on Friday. Some banks and credit societies are open on Saturday mornings. The five largest banks in Western Australia are the ANZ, BankWest, Westpac, the Commonwealth Bank, and National Australia Bank. The head offices of the major banks are usually located in the city, with branches located throughout the metropolitan area.

Western Australia also has a selection of international and other domestic banks. These banks include Citibank, Banque Nationale de Paris, Bank of New Zealand, Chase Manhattan, and the Bank of Melbourne.

Most banks provide convenient automatic teller machines. Foreign currency exchange is available during trading hours.

Language
English is the language of Australia. For an interpreter, call 13 14 50 (24 hours).

Traveller’s Cheques
Traveller’s cheques can be changed at trading banks, large city hotels and selected trading establishments.

Tipping & Gratuities
Employees in Australia do not depend on tips or gratuities as part of their income. However, it is practiced as a personal choice to tip if the service received has been exceptional.

Taxes
The Goods and Services Tax is a broad based tax of 10 per cent on most supplies of goods and services supplied in Australia. GST replaces wholesale sales tax, which was applied at varying rates to a range of products. GST exemptions include food, health services and international airfares. A Tourist Refund System is available at airports, for more information call 1300 363 263 or visit www.border.gov.au.

Quarantine
This is your chance to witness the significant change that has occurred in Perth in recent years and when you have finished with the Conference, take time to sample some great wines and food, or take a stroll along the many great white sandy beaches that the west coast is renowned for.
Please accept this form as a Tax Invoice from Institute of Public Works Engineering Australasia. ABN: 42 087 934 898

All prices are in Australian dollars and include GST where applicable.

## Delegate Details

<table>
<thead>
<tr>
<th>Title</th>
<th>Given Name</th>
<th>Family Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Preferred name on badge</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Organisation/Company</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Position</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mailing Address</td>
<td></td>
<td></td>
</tr>
<tr>
<td>City</td>
<td>State</td>
<td>Postcode</td>
</tr>
<tr>
<td>Telephone</td>
<td>Facsimile</td>
<td>Mobile</td>
</tr>
</tbody>
</table>

**Email (All Conference correspondence will be sent to this email address)**

**Special Requirements (e.g. Dietary requirements, mobility issues)**

<table>
<thead>
<tr>
<th>Accompanying Person</th>
<th>Preferred name on badge</th>
</tr>
</thead>
<tbody>
<tr>
<td>Email (Specific information regarding accompanying partner program will be sent to this email address)</td>
<td></td>
</tr>
</tbody>
</table>

**Special Requirements (e.g. Dietary requirements, mobility issues)**
PRIVACY
In registering for this Conference relevant details will be incorporated into a delegate list for the benefit of all delegates. These details may be made available to parties directly related to the Conference including All Occasions Group, IPWEA, venues and accommodation providers (for the purposes of room bookings and Conference options), key sponsors and parties associated with related Conference. By completing the registration form, you acknowledge that the details supplied by you may be used for the above purposes. Should you not wish your details to be used for these purposes, please contact All Occasions Group as soon as possible.

[ ] Please do not include my name and organisation on the delegate list.

The All Occasions Group uses Commercial Electronic Messages (i.e. email updates, newsletters etc) to keep delegates informed on both current and future, events and travel.

[ ] Yes, I would like to be kept informed of future Conferences, travel and accommodation specials.

REGISTRATION
Prices are in AUD and include GST

<table>
<thead>
<tr>
<th></th>
<th>Early Bird Registration (up to and including 9 June 2017)</th>
<th>Standard Registration (after 9 June 2017)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Member*</td>
<td>$1870 [ ]</td>
<td>$2057 [ ]</td>
</tr>
<tr>
<td>Non-member</td>
<td>$2057 [ ]</td>
<td>$2255 [ ]</td>
</tr>
<tr>
<td>Under 35 Member</td>
<td>$1271 [ ]</td>
<td>$1458 [ ]</td>
</tr>
<tr>
<td>Under 35 Non-Member</td>
<td>$1573 [ ]</td>
<td>$1755 [ ]</td>
</tr>
<tr>
<td>International *</td>
<td>$1271 [ ]</td>
<td>$1458 [ ]</td>
</tr>
<tr>
<td>Student/Retired</td>
<td>$847 [ ]</td>
<td>$919 [ ]</td>
</tr>
<tr>
<td>Day Only Registration</td>
<td>$847 [ ]</td>
<td>$1029 [ ]</td>
</tr>
<tr>
<td>Accompanying Partner</td>
<td>$350 [ ]</td>
<td>$350 [ ]</td>
</tr>
</tbody>
</table>

* Must be a current IPWEA or Engineers Australia Member at the time of the Conference.
^ Applicable to those not residing in Australia or New Zealand.

[ ] I am 35 or under 35 at the time of the Conference.

Date of Birth

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
</table>

Registration Total $

SOCIAL PROGRAM
Prices are in AUD and include GST

To assist with catering please indicate your intentions. Failure to do so will be noted as non-attendance.

Welcome Reception (20 August)
Yes, I will attend the Welcome Reception
[ ] Delegate
[ ] Accompanying Person
(Cost included in full, international delegate and accompanying partner registration)
[ ] Extra ticket(s) at $70 per ticket

Number

Monday Evening Casual Dinner (21 August)
Yes, I will attend the Monday Evening Casual Dinner
[ ] Delegate
[ ] Accompanying Person
(Cost included in full, international delegate and accompanying partner registration)
[ ] Extra ticket(s) at $160 per ticket

Number

Grand Platinum Conference Dinner (23 August)
Yes, I will attend the Gala Dinner
[ ] Delegate
[ ] Accompanying Person
(Cost included in full, international delegate and accompanying partner registration)
[ ] Extra ticket(s) at $170 per ticket

Number

Social Program Total $
**Technical Tour Options**
Prices are in AUD and include GST

**Technical Tours (Thursday 24 August)**

Please note minimum and maximum numbers apply and bookings will be made on a first-come-first-served basis. In the event of unforeseen circumstances, the Organising Committee reserves the right to delete or alter items on each tour. Please indicate your preference by placing 1, 2, 3, 4 & 5 in the appropriate boxes. All Occasions Management will make every effort to arrange your first preference.

<table>
<thead>
<tr>
<th></th>
<th>Price</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Technical Tour 1</td>
<td>$125</td>
<td></td>
</tr>
<tr>
<td>Technical Tour 2</td>
<td>$150</td>
<td></td>
</tr>
<tr>
<td>Technical Tour 3</td>
<td>$125</td>
<td></td>
</tr>
<tr>
<td>Technical Tour 4</td>
<td>$150</td>
<td></td>
</tr>
<tr>
<td>Technical Tour 5</td>
<td>$125</td>
<td></td>
</tr>
</tbody>
</table>

Technical Tours Total $

**Workshop**
Price is in AUD and includes GST

**Spotlight on Street Lights and Smart Controls in WA**

Workshop: Implementing the SLSC Programme
Date: Thursday 24th August 2017

[ ] Yes, I would like to attend the SLSC Workshop – $275

Workshop Total $

**ACCOMPANYING PERSON TOURS**
Prices are in AUD and include GST

Please note minimum and maximum numbers apply and bookings will be made on a first-come-first-served basis. In the event of unforeseen circumstances, the Organising Committee reserves the right to delete or alter items on each tour.

<table>
<thead>
<tr>
<th>Tour Name</th>
<th>Price</th>
<th>Number Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fremantle Prison’s Tunnel Tour (21 August)</td>
<td>$110</td>
<td></td>
</tr>
<tr>
<td>Explore the Swan Valley Day Tour (22 August)</td>
<td>$150</td>
<td></td>
</tr>
<tr>
<td>Perth Mint and High Tea Tour (23 August)</td>
<td>$75</td>
<td></td>
</tr>
</tbody>
</table>

Accompanying Person Tours Total $

**Accommodation**
Prices are in AUD and exclude GST
(GST is not applicable on accommodation deposits)

Please indicate 3 hotel preferences below.

<table>
<thead>
<tr>
<th>Hotel Preference</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Check in date: 
Check out date:
Estimated time of arrival am/pm:
[ ] Single       [ ] Double       [ ] Twin

If applicable, please provide the name of the person you are sharing with:

- **Adina Apartment Hotel**
  - One bedroom apartment – $279 per night
- **Parmelia Hilton**
  - Queen Guestroom – $275 per night
- **Rendezvous Hotel**
  - Guest Room – $245 per night
- **Holiday Inn**
  - Superior Room – $270 per night
- **Ibis Perth**
  - Standard Room – $175 per night
- **Mantra on Murray**
  - Queen Studio Apartment – $219 per night
- **Four Points by Sheraton**
  - Superior King Room – $195 per night
- **Duxton Hotel**
  - Deluxe Room – $309 per night
- **Pan Pacific Perth**
  - Deluxe Room – $215 per night

I have read and agree to the terms, conditions and the cancellation policy of my selected accommodation provider. If this box is not ticked, accommodation will not be reserved.

**PAYMENT**

I have read and agree to the terms and conditions contained within the registration brochure and the cancellation policy as outlined on page 18. If this clause is not signed or ticked, your registration will not be processed.

Please debit my Credit Card for the above total:
The credit card merchant fee outlined below will be applied on processing.

- [ ] MasterCard (2.8%)
- [ ] Visa (2.8%)
- [ ] American Express (3.6%)
- [ ] Diners Club (4.95%)

Card holder’s name as it appears on the card

Card number

CCV

Expiry Date

Signature

Please note that debits to your credit card will appear as ‘All Occasions Management’ on your statement.

**PLEASE FORWARD THIS COMPLETED FORM TO:**

International Public Works Conference 2017

Address:  
C/- All Occasions Management
12 Stirling Street, Thebarton SA 5031

Telephone: 08 8125 2200
Facsimile: 08 8125 2233

Email: conference@aomevents.com
