IPWEAQ CONFERENCE 2016

COLLABORATIVE ENGINEERING

Brisbane Convention & Exhibition Centre
8-10 November 2016
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Welcome

We are very pleased to welcome you to IPWEAQ’s annual state conference at the Brisbane Convention & Exhibition Centre, 8-10 November 2016. 16 CPD hours are available to delegates attending for the three days including the technical tours.

The theme for the 2016 conference is ‘collaborative engineering’ which will be featured across 12 streams with keynote presentations from Ian Healy (Australian cricketer) and Dr Stefan Hajkowicz, CSIRO scientist and author of Global Megatrends: Seven Patterns of Change Shaping Our Future.

Two further keynotes will be delivered by Julie Edwards, ‘From Technical Expert to Effective Leader: improving outcomes through effective communication and influence’ and by Churchill Fellowship recipient, Dwayne Honor who visited the USA and the Philippines to research the impact and key learnings from extreme storm surge events on coastal communities.

Paul Coughlan, Brisbane Airport Corporation’s Project Director, NPR (Brisbane’s New Parallel Runway) will deliver a keynote presentation on what is currently the largest aviation project in Australia.

Additionally, we have keynote presentations from, Neil Scales (Director-General, TMR) and Kylie Mercer, (Registrar, BPEQ). The conference MC this year is Michael Pascoe, one of Australia’s most experienced and thoughtful finance and economics commentators with four decades in newspaper, broadcast and online journalism. Michael will also deliver a keynote presentation on economic conditions and how they will impact public works across Queensland.

The comprehensive program includes the following Streams:

1 Integrated Planning: getting it right
2 Engineering versus law
3 Spatially Speaking
4 Building it together
5 The wet stuff
6 Think smart, work smart
7 Looking after the future
8 Getting it done: robust project outcomes
9 Getting it right: innovation in pavements
10 Structures: yes they are exciting!
11 From Strategy to design
12 The leadership toolkit: what no-one tells you about leadership

Forcecor Infrastructure Consultants will welcome you to the opening ceremony on Day One which commences immediately after the three technical tours:

1 Facilities tour: experience the operations of Fulton Hogan’s emulsion plant and Evolution’s Road Maintenance Centre (Traffic Management planning department, Guardrail Installation operations and Training Services)
2 Projects tour: an insight into the unique challenges of signature projects in and around Brisbane including the Story Bridge maintenance works, Kingsford Smith Drive upgrade and the Gateway Upgrade North (GUN) project.
3 Walking Tour: experience the behind-the-scenes work of a number of Brisbane City’s significant operations including the Traffic Management Centre, City Hall and South Bank Parklands.

Our comprehensive trade exhibition featuring 52 organisations offering products and services for our sector will be accessible for you throughout the three days of the conference. And without our sponsors, we could not deliver these quality events so please join us in thanking them for supporting public works.

We have two new features in this year’s program including the Great Debate, ‘women make better engineers than men’ and a fireside chat where three of our younger members will interview a more experienced elder statesman (Patrick Murphy, IPWEAQ Emeritus member) allowing us to share in Patrick’s journey and learnings.

There are two further social/networking functions including the gala awards ceremony and dinner when we will announce the 2016 excellence awards winners. The closing ceremony will be held at The Fox at South Bank, 5-7 pm on Thursday 10 November 2016.

All of us at IPWEAQ – our board members and staff – look forward to welcoming you to Brisbane and to the 2016 IPWEAQ conference, the premier gathering of those involved in the public works sector in Queensland.

Joe Bannan
President
General Information

The Board and staff of IPWEAQ have pleasure in welcoming you to the state conference 2016. The following details may assist with your arrival at the conference.

CONFERENCE LOCATION
IPWEAQ 2016 is being held at the Brisbane Convention & Exhibition Centre (BCEC), located in the riverside South Bank district, the heart of Brisbane’s cultural and entertainment activities and only minutes from the CBD. The closest train station to BCEC is South Brisbane Station and is only a few minutes’ walk away.

Please note that the conference will take place on the Plaza Level on the Grey Street side of the BCEC. Please enter the Centre via Grey Street for easy access to the venue.

Brisbane Convention & Exhibition Centre (BCEC)
Corner Merivale and Glenelg Street
Southbank, QLD 4101
Ph: 07 3308 3000 | Fax: + 07 3308 3500
www.bcec.com.au
View the location on Google Maps

AIRPORT AND TRANSPORT
Brisbane’s domestic and adjacent international airports are located approximately 13 kilometres from the centre of the city, approximately 20 minutes by car. Brisbane’s Airtrain is a convenient way to travel between both airport terminals and the CBD.

Public transport (train, bus and ferry) is the easiest way to travel throughout the city and SEEQ cards (visitor travel cards) are available at most newsagents and train stations. Please see http://translink.com.au or call 13 12 30 for more information.

There are a number of taxi companies in Brisbane: Black and White Cabs (13 32 22) or Yellow Cab Co (13 19 24). Uber is also now legal in Queensland and available for bookings via their App.

REGISTRATION PROCESS
The registration desk is located on the Plaza Level of the BCEC. All delegates must visit the registration desk to collect their conference materials and name tags which must be worn while attending the conference.

We encourage you to register early prior to the welcome function.

Registration desk opening times are:
Tuesday 8 November 2016 12:00 – 19:00
Wednesday 9 November 2016 07:30 – 17:00
Thursday 10 November 2016 07:30 – 17:00

Registration desk telephone: 07 3328 8745.
If upon arrival you have not paid your conference registration, credit card facilities will be available.

DRESS CODE
Conference program, welcome function and closing ceremony: smart casual, no suits or ties.
Gala awards ceremony and dinner: business/cocktail.

IPWEAQ 2016 ONLINE APP
IPWEAQ 2016 offers a convenient user-friendly App which provides easy access to the conference program including speaker bios, the trade exhibition and social functions.

CONFERENCE PROGRAM
The conference program is viewable on the conference website, online conference App and this Conference Handbook which you may wish to download to your iBook store, Samsung reading App etc. If you require assistance, please visit the IPWEAQ booth.

The conference opens on Tuesday 8 November 2016 with registration and the welcome function.

GEOFF WILMOTH BEST PAPER AWARD
Using your conference App, please vote after each presentation you attend so that we may collate results for a ‘best paper award’. The winner will be announced at the conference close during the President’s Address.
Read more about the award on page 23 of this Handbook.

EXCELLENCE AWARDS TICKETS
When you register for the conference, you will receive a ticket for the gala awards ceremony and dinner (if you are attending). You will also receive a ticket for any partners or guests you have registered. Invited guests and delegates attending just the awards dinner/ceremony, will need to register at the Registration Desk prior to the awards dinner/ceremony to receive a ticket.

SPEAKERS’ PREPARATION ROOM
The Speaker Preparation Room is located at P11 on Plaza Level of BCEC.
Speakers are requested to visit the Speaker Preparation Room at least two hours before their stream to ensure their presentation is uploaded well in advance of their session. Please note that presentations can only be uploaded from the Speaker Preparation Room. Please do not bring them to the room allocated for your presentation.

The operating hours are as follows:
Wednesday 9 November 2016 07:30 – 17:00
Thursday 10 November 2016 07:30 – 15:00
PARKING
Parking is available at BCEC at the following rates:
0-2 hours $18.00
2-5 hours $21.00
5-7 hours $23.00
Maximum daily rate $27.00
Motorcycle $13.00
Early Bird enter before 9am, exit between 3pm-6pm (Monday – Friday only) $16.00

PHOTOGRAPHY AND RECORDING
Delegates are advised that a professional photographer will be in attendance throughout the conference program. Photographs will be taken of delegates, speakers and exhibitors during sessions, social functions and at the awards night. If you would like to arrange a group photo of you and your colleagues, please be sure to arrange this directly with the photographer or visit the conference organisers at the registration desk or IPWEAQ staff at the IPWEAQ booth.
Additionally, Pop Up Radio will be recording conference proceedings including all sessions, keynote presentations, plenary sessions and the awards night. They will also conduct interviews of delegates, exhibitors and speakers. We invite you to visit the Pop Up Radio booth to record an interview – we would love to hear from you.
If you do not wish to be interviewed or photographed, please advise the operator and immediately move out of camera range for photographs. Otherwise, consent is taken as given.

CONFERENCE SPONSORS
We wish to acknowledge our Partners, exhibitors and sponsors for their valuable contribution and ongoing support of IPWEAQ. The list of sponsors and exhibitors is available in your Conference App or on the conference website.
Please also refer to pages 10 and 25-26 of this Handbook.

EXHIBITION
The IPWEAQ 2016 trade exhibition is located in the Plaza Auditorium Foyer. We encourage you to visit our valued exhibitors who supply the products and services that enable you to perform your role. The part they play contributing to our community and Queensland communities cannot be understated. Please show your appreciation with your time.
The exhibition will be open during all breaks, providing maximum networking opportunities for delegates and exhibitors.
The operating hours are as follows:
Tuesday 8 November 2016 17:00 – 19:00
Wednesday 9 November 2016 07:30 – 15:30
Thursday 10 November 2016 10:00 – 14:00

PRESIDENT’S CHARITY
Each of our presidents nominate a charity for IPWEAQ to support during their term. Joe Bannan has chosen the Cancer Council Queensland.

At this year’s conference, we will be offering five prizes including accommodation packages in Noosa and a car wash voucher from our Keynote speaker, Ian Healy. Prizes drawn at the conference close during the President’s Address. Please see details on page 16 of this Handbook.
We will also be selling Daffodil Day pins at the conference registration desk and IPWEAQ booth and encourage delegates to purchase a pin for $5 to wear throughout the conference.
And at this year’s coffee cart sponsored by Puma Bitumen, there will be a collection tin for you to donate coins.

WIFI
The BCEC provides free wireless internet in all public areas.
Connection: bceclink
No password required

DIETARY REQUIREMENTS
If you have notified the Conference Managers of any special dietary requirements (vegetarian, vegan, coeliac etc), this information has been provided to the conference venue (BCEC) and any external venues for social events you have registered to attend. It is requested that you make yourself known to the venue catering staff during meal breaks and social functions. All efforts have been made to accommodate your requests.

MESSAGES FOR DELEGATES AND NOTICES OF PROGRAM CHANGES
Messages for delegates and notices of program changes will be placed on a message board at the Registration Desk. Please check the boards regularly.

FEEDBACK
After the conference, we will email your certificate of attendance with CPD hours stated together with a conference feedback form. Your feedback on this event is valued and will guide us for future events. Thank you in anticipation.

CONTACTS DURING THE CONFERENCE
Registration Desk: 07 3328 8745
IPWEAQ (or visit us at the IPWEAQ booth)
Leigh Cunningham 0449 987 238
Carlie Sargent 0418 759 450
Erin Knudsen 0400 324 007
Craig Moss 0431 745 277
Ross Guppy 0400 533 395

We look forward to welcoming you to the Institute of Public Works Engineering Australasia, Queensland State Conference 2016 (IPWEAQ2016)!
COUNCILS
Balonne Shire Council
Banana Shire Council
Brisbane City Council
Bundaberg Regional Council
Cairns Regional Council
Carpentaria Shire Council
Cassowary Coast Regional Council
Central Highland Regional Council
City of Gold Coast
Far North Queensland Regional Organisation of Councils
Fraser Coast Regional Council
Gladstone Regional Council
Goondiwindi Regional Council
Gympie Regional Council
Ipswich City Council
Isaac Regional Council
Livingstone Shire Council
Lockyer Valley Regional Council
Logan City Council
Longreach Regional Council
Mackay Regional Council
Maranoa Regional Council
Maroochy Regional Council
Mount Isa City Council
Noosa Council
Quilpie Shire Council
Redland City Council
Rockhampton Regional Council
Scenic Rim Regional Council
Somerset Regional Council
South Burnett Regional Council
Southern Downs Regional Council
Sunshine Coast Council
Toowoomba Regional Council
Torres Shire Council
Townsville City Council
Western Downs Regional Council
Whitsunday Regional Council

ORGANISATIONS
12d Solutions
Agraco Pty Ltd
Allroads Pty Ltd
AAPA
Aquatec Maxec
ARRB Group
Asset Management Council
AT Consulting
Australian Steel Institute
Auto Electrical Imports
BBD Water Engineering
BBS Communications Group
BMD
Board of Professional Engineers of Queensland
Brandon & Associates Pty Ltd
Brisbane Airport Corporation
Cardno (Qld) Pty Ltd
CoDesign Studio
Complete Urban Pty Ltd
Concrib Pty Ltd
Courier Mail
CPB Contractors
CQ University
Cronie Civil Consulting Pty Ltd
CSIRO
CSM Service Bodies
D & J Ayriss Pty Ltd
Department of Transport and Main Roads
Dial before you Dig
Downer Group
Downer Infrastructure
Durapost - Roadside Products
EJ
EJ Tannock & Associates Pty Ltd
Emesh By Fibercon
Engineers Australia
Evolution Civil Maintenance
Evolution Training and Safety Fibercon
Flagstaff Consulting Group
GenEng Solutions Pty Ltd
George Bourne & Associates
GHD
Global Synthetics
Grummitt Consulting Pty Ltd
GWR Civil Engineering Management
Harrison Infrastructure Group Pty Ltd
Hunter H2O
Ingal Civil Products
Instrada Pty Ltd
IPWEA Australasia
IPWEA NZ
Its Pipetech Pty Ltd
James Cook University
JMac
JRA (A TechnologyOne company)
Lambert & Rehein
LGIAsuper
Lickiss Consulting Engineers Pty Ltd
Life Central Queensland
Lion Systems
Local Buy Pty Ltd
LO-GO Appointments
M1 Consulting
Mainmark
McArthur
McBerns Innovative Solutions
McCullough Robertson
Lawyers
McMullen Nolan Group Pty Ltd
MDEH Services Pty Ltd
Natspec
Northrop Consulting Engineers
Pavement Management Services
Polevault
Primaxis
Professionals Australia
Puma Energy
Quakewrap Pty Ltd
Queensland Treasury Corporation
Queensland Urban Utilities
Queensland Water Directorate
Roca
Rovert Reviews
Saferoads
Shepherd Services Pty Ltd
SITECH Construction Systems Pty Ltd
SRS Roads Pty Ltd
Stabilised Pavements of Australia
Steel Mains Pty Ltd
Supersealing
Swivelpole
Tod Consulting
Ultimate Positioning Group Pty Ltd
University of Southern Queensland
Vinidex Pty Ltd
Wagners CFT Manufacturing Pty Ltd
Wilson Partners Law
WSP Parsons Brinckerhoff

We look forward to welcoming delegates from the following councils and organisations.
Welcome to New Members

We are very pleased to welcome the following new members to the IPWEAQ state conference 2016

Please make a point of introducing yourself to the newest members of the IPWEAQ community.

- Justin Crick
- Ashlee Adams
- Tom Bradshaw
- Stevo Cosatto
- Craig Eldridge
- Jorge El-khouri
- Steve Forbes
- Angela Fry
- Lee Goldsmith
- David Mayen
- Mark Ricketts
- Sean Robinson
- Mark Ryan
- Blake Slaven
- Matt Burdett
- Evan Woods
- Mike Salmon
- Roger Naidoo
- Weena Lokuge
- Cameron Playford
- Wayne Eather

Membership is open to anyone actively engaged in the delivery of public works and services in Queensland.

If you are not currently a member of IPWEAQ, please visit the IPWEAQ booth where Carlie and Erin will be happy to assist you join with us. You may also wish to register online. We look forward to welcoming you to our community.
About Us

IPWEAQ is the peak body representing those working in the public works sector in Queensland.

Our purpose is to enhance the quality of life for all Queensland communities by advancing the skills, knowledge and resources available to those involved in the planning and provision of public works and services.

The IPWEAQ board consists of eight board members:

President
Joe Bannan

CQ Branch President
Craig Murrell

Vice President
Seren McKenzie

NQ Branch President
Bruce Gardiner

Gerard Read

SWQ Branch President
Stephen Hegedus

Dwayne Honor

SEQ Branch President
Murray Erbs

Our branch network ensures members across the state stay connected and enjoy a strong sense of community.

President’s Charity
IPWEAQ presidents nominate a charity for members to support during their term. Joe Bannan has chosen the Cancer Council Queensland.

Our water directorate (qldwater) aims to strengthen the urban water industry to maintain and improve the safety, health, wellbeing and sustainability of Queensland communities.

Get involved with IPWEAQ - become a member, Partner, Supporter or subscriber to our leading-edge technical products and publications. Join us at our must-attend branch and state conferences and celebrate excellence in public works with our awards program.

Apply to become an RPEQ and keep up-to-date with our comprehensive professional development program. Advertise in our widely-read journal, our e-News service, Connect and on our website.

Chief Executive Officer
Leigh Cunningham

07 3632 6810 | 0449 987 238
Leigh.Cunningham@ipweaq.com

www.ipweaq.com
Our Sponsors

PLATINUM SPONSORS

BRISBANE CITY

GOLD SPONSORS

KOMATSU

FORCECOR INFRASTRUCTURE CONSULTANTS

HARRISON INFRASTRUCTURE GROUP

SILVER SPONSORS

DIAL BEFORE YOU DIG
www.1100.com.au

YOTTA FROM DATA TO DECISIONS

McArthurs

BRONZE SPONSORS
The Program

Tuesday 8 November 2016

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>12:00 PM - 1:00 PM</td>
<td>Registrations for Tech Tour</td>
</tr>
<tr>
<td>1:00 PM - 4:30 PM</td>
<td>Tech Tour 1 Asset Tour</td>
</tr>
<tr>
<td>5:00 PM - 5:30 PM</td>
<td>Registrations Open</td>
</tr>
<tr>
<td>5:00 PM - 7:00 PM</td>
<td>Welcome Function and Networking</td>
</tr>
</tbody>
</table>

Wednesday 9 November 2016

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:30 AM - 8:45 AM</td>
<td>Registration desk open</td>
</tr>
<tr>
<td></td>
<td>Official conference opening</td>
</tr>
<tr>
<td>8:45 AM - 9:00 AM</td>
<td>Welcome to country</td>
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<tr>
<td></td>
<td>Songwoman Maroochy</td>
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<tr>
<td>9:00 AM - 9:20 AM</td>
<td>Councillor Amanda Cooper</td>
</tr>
<tr>
<td></td>
<td>Chairman, Infrastructure Committee, Brisbane City Council</td>
</tr>
<tr>
<td>9:20 AM - 9:30 AM</td>
<td>Jock Beveridge</td>
</tr>
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<td></td>
<td>Head of Fundraising, Cancer Council Queensland</td>
</tr>
<tr>
<td>9:30 AM - 10:15 AM</td>
<td>Keynote Address - Stefan Hajkowicz</td>
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<tr>
<td></td>
<td>CSIRO</td>
</tr>
<tr>
<td>10:15 AM - 10:40 AM</td>
<td>DAY 1 - MORNING TEA</td>
</tr>
<tr>
<td>10:40 AM - 11:20 AM</td>
<td>Economic overview with Michael Pascoe</td>
</tr>
<tr>
<td>11:20 AM - 11:40 AM</td>
<td>State Infrastructure Plan</td>
</tr>
<tr>
<td></td>
<td>Darren Crombie, Deputy Director General - Department of Infrastructure, Local Government and Planning</td>
</tr>
<tr>
<td>11:40 AM - 12:20 PM</td>
<td>Geotechnical challenges with the Brisbane Airport 2nd runway</td>
</tr>
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<td></td>
<td>Paul Coughlan</td>
</tr>
<tr>
<td>12:20 PM - 1:15 PM</td>
<td>DAY 1 - LUNCH</td>
</tr>
<tr>
<td>Time</td>
<td>STREAM 1</td>
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<tr>
<td>1:00 PM - 4:30 PM</td>
<td>Integrated planning: getting it right</td>
</tr>
<tr>
<td>1:15 PM - 1:45 PM</td>
<td>Developing a city transport plan in an urban growth area - lessons learnt</td>
</tr>
<tr>
<td>1:45 PM - 2:15 PM</td>
<td>The changing face of Brisbane</td>
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<tr>
<td>2:15 PM - 2:45 PM</td>
<td>Tactical urbanism - user-test ideas and street designs before investing</td>
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<tr>
<td>2:45 PM - 3:15 PM</td>
<td>The wet stuff</td>
</tr>
<tr>
<td>3:45 PM - 4:15 PM</td>
<td>Asset degradation modelling for asset renewals at Townsville Water</td>
</tr>
<tr>
<td>4:15 PM - 5:00 PM</td>
<td>Tactical urbanism - user-test ideas and street designs before investing</td>
</tr>
</tbody>
</table>

**Fireside chat**
Lessons from someone who has ‘been there and done that’

**Thursday 10 November 2016**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>7:30 AM - 8:30 AM</td>
<td>Registration</td>
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<tr>
<td>8:00 AM - 8:20 AM</td>
<td>IPWEAQ AGM</td>
</tr>
<tr>
<td>8:30 AM - 9:15 AM</td>
<td>Keynote - Ian Healy</td>
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<tr>
<td>8:30 AM - 9:15 AM</td>
<td>Keynote presentation by cricketing great Ian Healy</td>
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<tr>
<td>9:15 AM - 9:45 AM</td>
<td>Keynote - Julie Mitchell</td>
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<tr>
<td>9:15 AM - 9:45 AM</td>
<td>Chief Engineer, Department Transport and Main Roads</td>
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<tr>
<td>Time</td>
<td>Session</td>
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<tr>
<td>9:45 AM - 10:30 AM</td>
<td>Impacts and key lessons from extreme storm tide surge events</td>
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<td></td>
<td>Dwayne Honor</td>
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<tr>
<td>10:30 AM - 11:00 AM</td>
<td>DAY 2 - MORNING TEA</td>
</tr>
<tr>
<td>11:00 AM - 11:20 AM</td>
<td>BPEQ Registrar’s address, Kylie Mercer</td>
</tr>
<tr>
<td>11:20 AM - 11:35 AM</td>
<td>Timber bridge maintenance</td>
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<tr>
<td></td>
<td>Weena Lokuge - USQ</td>
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<tr>
<td>11:35 AM - 11:50 AM</td>
<td>Managing the risk on lower order roads</td>
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<td></td>
<td>Craig Moss - IPWEAQ</td>
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<tr>
<td>11:50 AM - 12:40 PM</td>
<td>From technical expert to effective leader - improving outcomes</td>
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<td>through effective communication and influence</td>
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<td></td>
<td>Julie Edwards - Polevault</td>
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<tr>
<td>12:40 PM - 1:45 PM</td>
<td>DAY 2 - LUNCH</td>
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<tr>
<td>1:45 PM - 2:15 PM</td>
<td>STREAM 9 Getting it right: innovations in pavements</td>
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<td>STREAM 10 Structures: yes, they are exciting!</td>
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<td></td>
<td>STREAM 11 From strategy to design</td>
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<tr>
<td></td>
<td>STREAM 12 Influencing others</td>
</tr>
<tr>
<td>1:45 PM - 2:15 PM</td>
<td>Cooperation in Pavement Innovations</td>
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<tr>
<td></td>
<td>Gladstone Regional Council 1800mm steel culvert rehabilitation</td>
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<td></td>
<td>Sustainable Program Delivery</td>
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<tr>
<td></td>
<td>What no-one tells you about leadership</td>
</tr>
<tr>
<td>2:15 PM - 2:45 PM</td>
<td>Sustainable pavement design - delivering sustainable options</td>
</tr>
<tr>
<td></td>
<td>Considering existing materials and pavement lifecycle</td>
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<tr>
<td>2:15 PM - 2:45 PM</td>
<td>Extending the life of essential sub surface assets, a practical approach to guarantee structural competence in pipeline and culvert rehabilitation</td>
</tr>
<tr>
<td>2:15 PM - 2:45 PM</td>
<td>Multi-functional stormwater projects - an innovative technical design and partnership approach</td>
</tr>
<tr>
<td></td>
<td>This session continues through till the afternoon</td>
</tr>
<tr>
<td>2:45 PM - 3:15 PM</td>
<td>Restabilising stablised pavements - what are the options?</td>
</tr>
<tr>
<td></td>
<td>Innovation in structures inspection: Balaclava Island Case Study</td>
</tr>
<tr>
<td>2:45 PM - 3:15 PM</td>
<td>Almost 50 years a civil designer - much change or an old man’s fond memories of “the good old days?”</td>
</tr>
<tr>
<td>3:15 PM - 3:45 PM</td>
<td>DAY 2 - AFTERNOON TEA</td>
</tr>
<tr>
<td>3:45 PM - 4:30 PM</td>
<td>The great debate - women make better engineers than men</td>
</tr>
<tr>
<td>4:30 PM - 5:00 PM</td>
<td>IPWEAQ President’s address</td>
</tr>
<tr>
<td>5:00 PM - 7:00 PM</td>
<td>Closing Ceremony</td>
</tr>
</tbody>
</table>
Technical Tours

**DATE**
Tuesday 8th
November 2016

**VENUE**
Brisbane Convention &
Exhibition Centre (BCEC)

**REGISTRATION**
12:00-1:00pm

**DEPARTURE FOR TOURS**
1:00pm

**RETURN TO VENUE**
4:30pm

**CPD**
3.5 hours

**WELCOME CEREMONY**
5:00pm

**PROJECT TOUR**
An insight into the unique challenges of three signature projects in and around Brisbane including: Kingsford Smith Drive upgrade and Gateway Upgrade North (GUN) project.

**FACILITIES TOUR**
An opportunity to experience the operations of two organisations that provide services to the sector: Fulton Hogan Emulsions Plant and the Evolution Road Maintenance Group national office (Traffic Management planning department, Guardrail Installation operations and Training Services)

**WALKING TOUR**
The walking tour offers delegates an opportunity to experience behind-the-scenes at a number of Brisbane City’s significant operations including: Traffic Management Centre, City Hall, South Bank Parklands.
Social Program

An invitation is extended to delegates and their guests to attend the following social functions:

**WELCOME FUNCTION**
Venue: Plaza Auditorium Foyer
Plaza Level, BCEC

Date: Tuesday 8 November 2016
Time: 17:00 – 19:00
Dress: Smart casual
Sponsor: Forcecor Infrastructure Consultants

**GALA AWARDS CEREMONY AND DINNER**
Venue: Plaza Auditorium Foyer
Plaza Level, BCEC

Date: Wednesday 9 November 2016
Time: 18:00 – 23:00
Dress: Business/cocktail
Sponsor: Puma Bitumen

**CLOSING CEREMONY**
Venue: Dandy’s Exclusive Room, The Fox Hotel
71 – 73 Melbourne Street
South Brisbane QLD 4101

Date: Thursday 10 November 2016
Time: 17:00 – 19:00
Dress: Smart casual
Sponsor: Fulton Hogan
On behalf of our President, Joe Bannan we invite you to support the President’s Charity, the Cancer Council Queensland.

**PRIZES**

**Noosa Springs**
One night (mid-week), breakfast, spa treatment and golf.
valued at $688

**Saks on Hastings**
Two nights, mid-week (Monday-Thursday) in a 2 bedroom self-contained apartment on Hastings Street, Noosa Heads. Includes free Wi-Fi and secure off street parking.
valued at $550

**Sofitel Noosa Pacific Resort**
One night accommodation voucher including a full hot buffet breakfast for two in the Noosa Beach House.
valued at $450

**RACV Resort**
One bedroom suite including breakfast for two people.
valued at $325

**HOPPY’S CAR WASH**
1 x Six months of ‘Super’ washes.
valued at $300
Speaker Profiles

**Stefan Hajkowicz | CSIRO**

Dr Stefan Hajkowicz is a principal scientist working in the field of strategic foresight at CSIRO, Australia’s national science agency. He has devoted his career to helping governments, companies and communities comprehend patterns of change so they can make wiser choices and secure better futures. Stefan’s academic background is in geography, economics and decision theory. He was recently appointed to the World Economic Forum’s Global Strategic Foresight Community, a group of 32 strategy and foresight experts meeting annually in New York to share ideas about the future of the world. Stefan is widely published in the scientific literature and his new book, titled Global Megatrends, hit shelves in May 2015. Stefan has a doctorate in geography from the University of Queensland and postgraduate qualifications in economics from the University of New England. He lives in Brisbane and is both a keen supporter and active participant in the city’s rapidly growing knowledge and creative economy.

**Michael Pascoe | Economics commentator**

Michael Pascoe is one of Australia’s most respected and experienced finance and economics commentators with four decades in newspaper, broadcast and on-line journalism covering the full gamut of economic, business and finance issues. Michael is seen on Channel 7’s Sunrise and news programs, is Contributing Editor for the Sydney Morning Herald and Age BusinessDay.com.au sites, is a weekly finance columnist for Yahoo7 and a popular conference speaker, bringing rare humour and plain language to the ‘dismal science’ of economics. Michael was born and educated in Queensland, starting his career with The Courier-Mail before working in Hong Kong for three years on the South China Morning Post. He joined the Australian Financial Review in Sydney upon returning to Australia and then pioneered specialist finance journalism in commercial broadcasting - first with the Macquarie Radio network, then with Channel 9, Sky News and 7. Michael has four sons, maintains a love of rugby union, a dislike of gardening and what he calls ‘an outlook of optimistic scepticism’.

**Ian Healy | Cricketing great**

When Ian Healy retired as Australian Test wicketkeeper in 1999 it was with 5 world records, including the record for the most dismissals by a keeper in Test history with his final tally of 395, made up of 366 catches and 29 stumpings. Ian’s record-breaking efforts extended beyond his skill behind the stumps. He is one of only five Australians to have played more than 100 Tests, and his final tally of 119 matches is the highest by any keeper in international history. His record also includes 234 dismissals (195 catches and 39 stumpings) in 168 One Day Internationals. Ian was a permanent fixture in the Australian Cricket Team from 1988 to 1999, missing just one Test - because of a broken thumb. At the time Ian’s tally of 4356 Test runs left him in fifteenth place on the list of all-time Australian run scorers, with only England’s Alan Knott (4389 runs) having scored more runs as a keeper at the highest level. His career highlights include: 1993 - Test Match Australia vs England 1st Test Match 1996 - Test Match Australia vs West Indies - making 161 runs 1997 - Won the Ashes against England on their home soil 1998 - 100 Test appearances celebrated at Adelaide Oval Since retiring from international cricket Ian has been busy with business commitments, celebrity guest appearances and his role as a sporting commentator for the Nine Network.
Julie Mitchell, Chief Engineer, Department Transport and Main Roads

Since July 2010, Julie has held the position of Chief Engineer at TMR. Her branch has 340 professional, technical and support staff, and focuses on guiding and supporting the technical aspects that contribute to the effective delivery, performance and operation of the state-controlled road network.

With 30 years’ experience in the department, Julie has had the opportunity to work across a variety of roles. Julie holds a Bachelor’s degree in Engineering, and Master’s Degrees in Business Administration and Environmental Management. She is a Fellow of Engineers Australia, and a graduate of the Australian Institute of Company Directors. She is also on the Board of the Professional Engineers (Qld).

Paul Coughlan | Brisbane Airport Corporation

Paul is the Project Director for Brisbane Airport’s New Parallel Runway (NPR) and has overall responsibility for the successful delivery of this $1.4 billion project. He heads up a Client Team of 30 and has led the Project since 2007. Paul’s main accountabilities relate to project governance; design and programme; contract procurement; cost control; risk management; airline negotiations; government approvals; stakeholder and community engagement. Paul has overseen the completion of all the detailed environmental studies, airfield planning, government approvals and the successful delivery of the Phase 1 Dredging and site reclamation works. The Project has now commenced Phase 2 Construction with the release of the final Request for Tender on 29 July, 2016. Phase 2 is comprised of three, major Contracts including Site Access & Seawall Works, Dryandra Road Works and Airfield Works and is on schedule to open in 2020.

Julie Edwards | Polevault

An experienced business leader Julie is currently the Director of an organisational development company consulting, coaching and facilitating growth within a diversity of Australian industries and companies. Julie has over 19 year’s experience in leadership, change and business development work. She has specialist skills in organisational change, leadership, team effectiveness and productivity as well as in sales, communication, relationship development and leadership development. High level leadership roles in both government and private sectors provide experience and insight to support individual and organisational initiatives.

Mr Dwayne Honor | Bundaberg Regional Council

Dwayne Honor has been working in local government for over 12 years and was educated at Central Queensland University (Rockhampton). He has degrees with Distinction in Engineering Technology and Business Administration and is a committee member of the Central Queensland Branch and state board of the IPWEAQ. He was awarded IPWEAQ Young Engineer of the Year in 2013 for flood recovery efforts in the Bundaberg region. In 2015 Dwayne was awarded a Churchill Fellowship from the Winston Churchill Memorial Trust of Australia. The trust was established in 1965 after the death of Sir Winston Churchill with the principal objective of perpetuating and honouring Sir Winston’s memory and providing an opportunity for Australians to travel overseas to conduct research in their chosen field that is not readily available in Australia. Dwayne’s Churchill Fellowship was to research key impacts and learning’s from extreme storm tide in the Philippines and United States in order to adapt communities in Australia to these risks.
Kylie Mercer | Registrar, BPEQ

Kylie Mercer was appointed BPEQ Registrar in 2015. Kylie is responsible for the day to day operations of BPEQ and registering engineers for practice. Since becoming Registrar, Kylie has introduced a range of initiatives to improve the operation and performance of BPEQ. She joined BPEQ from the Queensland College of Teachers (QCT) where, as initially the Principal Legal Officer and then Executive Manager, Discipline and Appeals, she was responsible for assessing applications for registration to determine whether an applicant was ‘suitable to teach’ and conducting and managing all disciplinary action against registered teachers on behalf of the QCT. During 2013/14, Kylie also gained experience as Manager, Licensing and Advisory Services at Workplace Health and Safety Queensland. Prior to her appointments at the QCT she spent 9 years as a criminal lawyer with Legal Aid Queensland.

Excellence awards - people categories

Join us at the 2016 excellence awards as we celebrate the people who deliver the projects that make Queensland great.

Wednesday 9 November 2016
Plaza Terrace, Brisbane
Convention & Exhibition Centre

Pre-dinner drinks 6pm
Dinner and awards ceremony 7pm to 11pm
Dress business/cocktail

• Engineer of the Year
• Young Engineer of the Year
• Woman in Engineering
• Technical Officer of the Year
• Works Supervisor of the Year
• President’s Award
  Awarded to members, and chosen by the president, for their outstanding contribution to the institute.

2015 Engineer of the Year
Andrew Ryan
Sunshine Coast Regional Council

2015 Woman in Engineering
Ellie Johnson
Mount Isa City Council

2015 Young Engineer
Ashleigh Tomkins
Gladstone Regional Council

2015 President’s Award
Andrew Gibbs
Mackay Regional Council

2015 Technical Manager
Val Shannon
Mareeba Shire Council
Excellence awards - project nominations

Public works projects under $2 million
- City of Gold Coast - Santa Barbara Road Buggy Path
- Cook Shire Council and Wagners CFT - Restoration of Cooktown Main Wharf
- Sunshine Coast Council - Jack Morgan Park Upgrade Project (Stage One)
- Toowoomba Regional Council - Middle Ridge School Off-Street Car Parking

Public works projects $2 million to $5 million
- Livingstone Shire Council - Keppel Kraken, Zero Depth Water Play Feature Yeppoon
- Noosa Council and Tod Consulting and Marine and Civil Maintenance - Curing a cancer patient: Munna Point Bridge
- Quilpie Shire Council and Brandon and Associates - Quilpie Shire Council Works Depot
- Sunshine Coast Council - Coolum Sports Complex Multiport Field Development
- Toowoomba Regional Council and GHD Pty Ltd - East Creek Ruthven Street Culvert Upgrade
- Townsville City Council - William Angliss Drive/Macarthur Drive Intersection Upgrade
- Townsville City Council - RN15_012 Liberty Drive Construction

Public works projects $5 million to $10 million
- Cairns Regional Council - Moody Creek Detention Basin
- Ipswich City Council and BMD Constructions (Urban) - Redbank Plains Road
- Roadtek - Pickaninnie North Road Upgrade Project – government partnerships in action

Public works projects over $10 million
- Cairns Regional Council - Machans Beach seawall reconstruction
- Somerset Regional Council - Collaboration builds bridges of resilience to sustain communities
- South Burnett Regional Council - South Burnett Timber Bridge Replacement Programme
- Toowoomba Regional Council - Highfields Sports and Recreation Park Stage 1
- Toowoomba Regional Council - Toowoomba City Library and Civic Square Project

Townsville City Council and BMD Constructions - Dalrymple Road Upgrade

Innovation in public works
- Asignit Pty Ltd - Asignit
- City of Gold Coast - A Cost Effective Way of Extending the Life of Deep Water Canal Pipes
- City of Gold Coast - Innovation in Road Pavement Recycling
- Cook Shire Council and Wagners CFT - Restoration of Cooktown Main Wharf
- Department of Transport and Main Roads - Cape York Region Package
- JMac Constructions and Ipswich City Council - Robelle Domain Stage 2
- Noosa Council - Noosa Council Bus Shelter
- Noosa Council - Noosa Design Principles
- South Burnett Regional Council - South Burnett Timber Bridge Replacement Programme
- Sunshine Coast Council - Nambour Youth Activity Precinct and RSL War Memorial
- Sunshine Coast Council and BMT WBM - Sunshine Coast Council Sand Sourcing Study
- Toowoomba Regional Council and AECOM - Toowoomba RC Flood Recovery Program

Road Safety
- Asignit Pty Ltd - Asignit
- South Burnett Regional Council - South Burnett Timber Bridge Replacement Programme
- Toowoomba Regional Council - Middle Ridge School Off-Street Car Parking
- Western Downs Regional Council - Dalby CBD Road Safety Review

Water and waste water projects
- Logan Water Infrastructure Alliance - Alfred Street pump station upgrade
- Toowoomba Regional Council - Pittsworth Sewerage Treatment Plant Upgrade
- South Burnett Regional Council - Gordonbrook Water Treatment Plant Upgrade
- South Burnett Regional Council - Kingaroy Wastewater Treatment Plant Upgrade

Water and waste water innovation
- City of Gold Coast - Development and Implementation of a Stormwater Quality Improvement Devices (SQID) Asset Management Plan (AMP)
- South Burnett Regional Council - Kingaroy Wastewater Treatment Plant Upgrade
- South Burnett Regional Council - Gordonbrook Water Treatment Plant Upgrade

Nominations for the 2017 Awards Program opens 1 March 2017
Conference Features

FIRESIDE CHAT

It’s important to ensure there is a connection and transfer of knowledge and experience between our senior members and our younger members and recent graduates. We have a new initiative this year to achieve this objective – the Fireside Chat. Emeritus member, Patrick Murphy (Scenic Rim Regional Council) will be interviewed by Ashlee Adams (Toowoomba Regional Council), Celisa Faulkner and Ashleigh Tomkins, both of Gladstone Regional Council. Ashleigh Tomkins was our 2015 Young Engineer of the Year award recipient. We’ll learn about Patrick’s journey, the changes he has seen in public works in Queensland, his favourite projects and those he would prefer to forget.

Patrick Murphy  Ashlee Adams  Celisa Faulkner  Ashleigh Tomkins

GREAT DEBATE

Moderator: Michael Pascoe

This year we are introducing the ‘great engineering debate’ which will close our conference on Day Three. Topics for the debate will be relevant to our sector and address key issues but they are also intended to be entertaining and light-hearted. The topic for 2016 is ‘women make better engineers than men’.

Team for the Affirmative:
Angela Fry (Principal Project Manager, GHD), Stephen Hegedus (Senior Asset Manager, Shepherd Services) and Gavin Blakey (Principal Engineer, Strategic Asset Management | Asset Management Branch, Brisbane City Council)

Team for the Negative:
Julie Mitchell (Chief Engineer, TMR) Dawson Wilkie (IPWEAQ Past President, Director all.PM) and Gerhard Joubert, General Manager Infrastructure & Utilities, Central Highlands Regional Council

Angela Fry  Stephen Hegedus  Gavin Blakey  Julie Mitchell  Dawson Wilkie  Gerhard Joubert
University Outreach Program

As part of our Young IPWEAQ (YIPWEAQ) program, we will be launching our University Outreach Program at the state conference in Brisbane.

Five universities were invited to participate in the program which offers a complimentary registration to the state conference (valued at $1,980) for a final year civil engineering student who has a keen interest in the public works sector. The university may establish its own criteria for selecting the student.

Following the conference, the students will submit a paper of up to 1,000 words about their conference experience, learnings from the program, streams attended, highlights and features that offered the most value and their experience and impressions being a part of our community. The articles will be published in the December 2016 or March 2017 issues of our journal, Engineering for Public Works.

The following students have been chosen by their respective universities:

**Jonathon Kelly**  
James Cook University  
Degree: 4th Year, Bachelor of Engineering (Civil Engineering)

**Belinda Freeman**  
University of Southern Queensland  
Degree: Final year, Bachelor of Engineering Honours, Majoring in Civil.  
Employment: Toowoomba Regional Council.

**Jessica Kahl**  
University of Central Queensland  
Degree: Bachelor of Engineering (Honours) and Diploma of Professional Practice (Co-op Engineering)

We look forward to welcoming Jonathon, Belinda and Jessica to the conference.

Young IPWEAQ program

**Young Engineer of the Year award**  
Announced each year at our excellence awards.

**Career Development**  
Please contact Craig Moss, IPWEAQ Director Professional & Career Development to discuss your career in public works. Craig will devise a program for you including a professional development path, mentoring and steps to progress to RPEQ and maintenance of your registration.

**Fireside Chat**  
It is important to ensure a transfer of knowledge and experience between our senior members and our members Under 35 and recent graduates. The ‘fireside chat’, to be launched at the 2016 state conference in Brisbane will feature a senior, IPWEAQ Emeritus member interviewed by U35 members. We’ll learn about our senior engineer’s journey, the changes he has seen in public works in Queensland, his favourite projects and why, and those he would prefer to forget.

**Networking**  
IPWEAQ offers multiple opportunities each year for members to network with peers including branch conferences and Technical Forums and the state conference which features innovative networking forums.

**Scholarships**  
Various scholarships are available each year including branch scholarships and international study tours for members to travel abroad to review innovative solutions to public works issues and their applicability to local conditions. Please refer to our Scholarships and Awards program.

Members under age 35 receive a **40% discount** on their membership (valued at $110) and a **20% discount** on their registration for the state conference (valued at $300).
Geoff Wilmoth Best Paper Award

Who is Geoff Wilmoth?
Geoff Wilmoth was a founding member of IPWEAQ, chairing the inaugural meeting held in Rockhampton 7 October 1970 which proposed the formation of a Queensland local government engineer’s association. He was then elected onto the Institute’s governing committee at the inaugural meeting on 2 October 1972.

Mr Wilmoth graduated from the University of Melbourne in 1934 with the degree of Bachelor of Civil Engineering. He was first employed as a temporary Assistant Draftsman by the Queensland Main Roads Commission in 1934 but resigned a year later to work as the assistant to CR Tranberg, Shire Engineer of Johnstone Shire Council. After experience in road and bridge survey, design and construction, he obtained the position of Engineer in Charge of loan subsidy and Main Roads works in the Town of Roma in 1936. He resigned after a year to work as Assistant Engineer to HE MacDonnell, consulting engineer of Gayndah, whose practice provided full engineering services for nine rural shires in the Burnett area. Wilmouth served in the Australian Army. Upon demobilisation in 1945 he was appointed City Engineer of Bundaberg and in 1948 he was appointed City Engineer in Mackay.

Wilmouth joined the Toowoomba City Council in March 1953, the organisation with which he spent the remainder of his working life until his death in 1973. Shortly after joining the council, he was appointed City Engineer and Town Planner. He continued research into potential sites for Toowoomba’s second water supply storage area. The results of stream flows and other surveys indicated Perseverance Creek was the most suitable site. Council officers proceeded with detailed surveys and design of the dam, pump tower and rising main to the Mt Kynoch reservoir. The construction of a water treatment plant at Mt Kynoch progressed after completion of the Perseverance Dam system in 1962.

The main water distribution system was augmented with steel mains and a new service reservoir at Mt Lofty, and a new mushroom shaped elevated reservoir at Picnic Point. These projects combined to form a very efficient water supply system and were constructed over many years, by which time preliminary investigations had begun into the Cressbrook Dam system, Toowoomba’s third water supply storage area.

Wilmouth encouraged major sewerage works to ensure all of Toowoomba was sewered in as short a period as finances permitted. He formulated a 10 year program of accelerated sewerage reticulation. After the 10 year program was completed, further surveying, particularly for the expansion of sewerage reticulation, was carried out using aerial photography. The sewerage reticulation program also required augmentation of existing sewers while the extended catchment areas necessitated major expansion of the Wetalla Sewage Treatment Plant.

Wilmouth also oversaw the elimination of the remaining red gravel roads and the kerbing and channelling of all new and existing bitumen roads in Toowoomba. Under his leadership stormwater and the city’s creeks also received more consideration, including the undergrounding of five year storm flows in East Creek, Lake Annand and a retention lake.

Wilmouth’s philosophy was simple: first things first. Water and sewerage was the number one priority, roads number two, stormwater and creeks number three and beautification projects as funds permitted. He devised programs for construction in sequence of needs. His well-conceived and well-presented reports resulted in Council approving most of his preferred programs. He was appointed to the National Capital Planning Committee in the late 1960s.

Mr Wilmouth passed away on 8 April 1973. He was acknowledged for his service at the first Annual General Meeting of the Institute held 1 October 1973 and it is recorded that, ‘Geoff will be long remembered and revered by all of his engineering colleagues and it would be fitting if some tangible form of recognition of his service to the community could be instigated by this Association.’ The Geoff Wilmouth award for the best paper delivered at our state conference continues 43 years later in his honour.

Last year’s winner
In 2016, Angela Fry, the winner of the Geoff Wilmouth Best Paper award at the 2015 state conference held in Mackay, delivered her prize-winning presentation on the Toowoomba outer circulating road project at the IPWEA NZ conference in Auckland in July as part of a reciprocal arrangement with IPWEA NZ.

The winner of the IPWEA NZ Hynds Best Paper award at the Auckland conference, Carey Morris will be presenting, Is ‘cheap’ real value? on Day One, Wednesday 9 November 2016 in Stream 8, Getting It Done: robust project outcomes at 3:15pm.

2016 winner
Delegates are invited to vote for the best paper of the conference using the Conference App. The winner of the Geoff Wilmoth award will be announced and the award presented by the IPWEAQ President, Joe Bannan in his closing address.

The winner will receive a complimentary registration plus travel and accommodation to attend the IPWEA national conference to be held in Perth, 20-23 August 2017. The winner will also have an opportunity to deliver their presentation at that event.
IPWEAQ Booth

Come visit us at the IPWEAQ booth at this year’s trade exhibition!

PROFESSIONAL DEVELOPMENT WITH CRAIG MOSS, DIRECTOR PROFESSIONAL & CAREER DEVELOPMENT AND ERIN KNUDSEN, PD COORDINATOR

- Register for the new Managing Risks on Lower Order Roads.
- Pre-register for forthcoming courses.
- Sign-up for an IPWEAQ PD program $2,000 for 20 CPD hours
- Discuss your council’s future development needs. Note: all training can be provided in-house or via podcast.
- Young IPWEAQ members are asked to visit Craig at the booth to discuss their involvement in various initiatives.
- Talk with Craig about your career path, where you would like to be and when.

MEMBERSHIP WITH CARLIE SARGENT, DIRECTOR MEMBER SERVICES

- Join IPWEAQ during the conference and pay $400 for 20 months membership to 30 June 2018. Members receive a $300 discount for our state conference, professional development programs, RPEQ applications and technical products.
- Request information be sent to your council for our Public Works Technical Subscription (PWTS).
- Do you have an idea for an article for the December issue of our journal, Engineering for Public Works?
  Please discuss with Carlie. The theme for December is ‘Paving the Way’ literally and metaphorically.
- Ask Carlie about our scholarship programs.
- Request a nomination form(s) for the 2017 excellence awards. Note: the 2017 awards program opens for nominations 1 March 2017.
- We have sponsorship opportunities available for our state and regional events including conferences, workshops and podcasts. Please take a moment to discuss with Carlie.
- We are very proud and pleased to be associated with our Partners and invite you to discuss our Partner program with Carlie and the team at our booth.

TECHNICAL PRODUCTS WITH ROSS GUPPY, DIRECTOR TECHNICAL PRODUCTS

- Talk to Ross about joining the ADAC consortium and the implementation of ADAC for your council. Please note: the ADAC schemer is available at no cost.
- Register your interest in participating in any of our working groups.
- Ross would like to meet with members in regional Queensland regarding a broadening of the suite of Standard Drawings and their applicability across the state.
- Ask Ross about participating in the next phase of the review of Complete Streets.
- Is there another product or service you need to help you in your role? Discuss this with Ross.

EVENTS & RPEQ WITH ERIN KNUDSEN, PD COORDINATOR

- Pre-register for next year’s conference, 4-6 October 2017 Townsville. 20% early-bird discount available to conference delegates.
- Ask Erin about applying for RPEQ or forthcoming audit requirements for RPEQs.
- If you require assistance with our Conference App including the conference feedback form or nominating the best speaker for the Geoff Wilmoth award, please visit Erin at our booth.
- Discuss your professional development needs with Erin and your preferences for training eg do you prefer to travel to our facilities in Brisbane, train in-house with your colleagues, or receive podcasts you can view in your own time.
# Exhibitors

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Floor Plan
Professional Development

Offering in-house and customised training in the following areas:

Technical Programs
- Construction & Maintenance
- Road Safety
- Environment Management
- Asset Management
- Planning & Design
- Fleet & Plant Management
- Traffic & Transport Management
- Stormwater & Flood Management

Non-Technical Program
- Construction Law
- Leadership & Management
- Project Management
- Business Services
- Contract Management
- Stakeholder Engagement
- Risk Management

Popular courses
- Road Safety Audit
- Bridge Inspections Levels 1 & 2
- Supervisor Workshop Series
- Erosion & Sediment Control
- Managing the Risks on Lower Order Roads
- Native Title & Cultural Heritage Compliance
- The Leadership Toolkit Series
Public Works Technical Subscription

Benefits
(SUBSCRIBERS ARE RECOGNISED AS ‘SUPPORTERS’ OF IPWEAQ)

- Full access to Standard Drawings which can be shared with constituents. (value $900 per individual user)
- Your employees will receive a 10% discount on their annual IPWEAQ membership subscription (value $30 per employee)
- One Council delegate to attend one branch conference (value $330-$660) plus the state conference (value $1,650-$1,980) each year
- Complimentary subscription to the Lower Order Road Design Guidelines (LORDG) (value $200-$500 each year)
- Discounted rates to purchase IPWEAQ technical products including ADAC, Complete Streets and QUDM (up to 15% discount)
- Free job advertisements in ‘Connect’ our fortnightly e-news service (value $200 per advertisement)
- Your logo on the IPWEAQ website linked to your website
- Opportunity to include notices in ‘Connect’ our fortnightly e-news service
- Opportunity to publish articles in our quarterly e-journal ‘Engineering for Public Works’

$4,000
(plus GST)

Phone 07 3632 6801
carlie.sargent@ipweaq.com
Publications

**Asset Design As Constructed**
ADAC is a strategic solution for quality data capture and management for government and utilities.

**Complete Streets**
A community focused how-to for contemporary urban street design.

**Lower Order Road Design Guide**
This guide offers a risk-based approach to lower road capital improvement.

**Standard Drawings**
Standard Drawings for General, Drainage and Water Quality, Parks, Roads, Homeowner.

**Supervisor’s Handbook**
For supervisors and staff working on local government projects in the field.

**Queensland Urban Drainage Manual**
For engineers and stormwater designers in the planning, design and management of urban stormwater drainage systems.
2016-2017 IPWEAQ Conference Grand Slam

**BRISBANE**
14-15 September 2016
INOVATION FORUM
qldwater Urban Water Innovation Forum

**DALBY**
2-3 March 2017
SWQ BRANCH CONFERENCE
Crossroads to Resources
(hosted by Western Downs Regional Council)

**LOGAN**
9-10 May 2017
SEQ BRANCH CONFERENCE
Building on Smart Solutions
(hosted by Livingstone Shire Council)

**LUCINDA**
17-19 August 2016
NQ BRANCH CONFERENCE
Tropical Engineering: We do things differently up North!
(hosted by Hinchinbrook Shire Council)

**BRISBANE**
8-10 November 2016
STATE CONFERENCE
Collaborative Engineering
(hosted by Brisbane City Council)

**YEPPON**
23-25 March 2017
CQ BRANCH CONFERENCE
Service, Resources, Lifestyle
(hosted by Livingstone Shire Council)

**LOGOV**
11-12 May 2017
OUTDOOR EXHIBITION
Public Works and Construction Expo
(hosted by Logan City Council)
Scholarships and Awards

Excellence Award Winners

Individual awards for:
Engineer of the Year | Young Engineer of the Year
Woman in Engineering | Technical Officer of the Year
Works Supervisor of the Year

Branch Scholarships

Each of our four branches (NQ, CQ, SEQ and SWQ) offer scholarships for disadvantaged members to attend their branch and state conference. Up to $1,000 is available to cover registration fees, travel and accommodation.

For more information or to apply for a scholarship, please contact your Branch President.

Best Paper Awards

Each year our four branches hold a regional conference. The presentation chosen as the best by the selection committee receives a complimentary registration to the state conference and is also included in the state conference program. Up to 45 CPD hours are available for papers presented at conferences.

The best paper presented at the state conference, the Geoff Willmoth Best Paper award receives a complimentary registration to the IPWEA NZ conference plus travel and accommodation expenses.

Through our reciprocal arrangements with IPWEA NZ, the winner of their Hynds Best Paper award presents at the IPWEAQ state conference each year.

International Study Tour

Each year IPWEAQ offers scholarships for members to study overseas.

Scholarship recipients are required to submit a report of 3,000 - 5,000 words detailing their findings and recommendations and applicability to conditions in Australia.

Recipients of scholarships for 2016 - Andrew Ryan of Sunshine Coast Regional Council and Gleb Kolenbet of Redland City Council - will visit the USA, Spain and the Netherlands.

Asset Management Study Tour

Every two years we offer a scholarship for members to attend an international asset management study tour.

IPWEAQ scholarships and awards are only available to members. Please contact us for more information about the program and becoming a member.

Carlie Sargent
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Townsville 2017

Sustainability through inspired leadership and community engagement

Townsville is Australia’s largest urban centre north of the Sunshine Coast. Considered the unofficial capital of North Queensland by locals, Townsville is a nature lover’s paradise and an ideal destination to explore the Great Barrier Reef, wetlands and rainforests. Discover a diverse range of historical, military, outback, island, active and tranquil experiences.

Pre-register for the 2017 IPWEAQ state conference to be held in Townsville, October 2017 and receive a 20% discount on your conference registration. Additionally, if you registered at the early-bird rate for the 2016 conference, you will receive a further 10% discount. Savings of up to $450!

No cancellation fees apply up to one month prior to the event, however a $100 administration fee will apply. Registrations are transferrable up to one week prior to the event.

Visit the IPWEAQ booth and talk to Carlie or Erin to register early.

Call for papers

Call for papers opens 1st February 2017. Submit your abstract online together with your bio and photo.

Conference papers may be selected for publication in the March 2018 issue of our quarterly e-Journal, Engineering for Public Works.

All conference papers will be uploaded to the new IPWEAQ online resources portal to be launched in 2017. This resource centre will be accessible by IPWEAQ members only.

Under 35 members are invited to participate as one of three interviewers for the 2017 fireside chat. Please contact Leigh if you would like to participate.

If you would like to participate in the 2017 great engineering debate please contact Leigh.

Branch scholarships are available for disadvantaged members to attend the state conference.

Please contact Carlie or Erin for more information.

We look forward to welcoming you to IPWEAQ 2017 in Townsville.