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Welcome from the Branch President

We are very pleased to welcome you to the IPWEAQ SWQ Branch conference in Gatton in partnership with Somerset Regional Council and Lockyer Valley Regional Council. This year’s conference will showcase local projects with a Keynote Presentation by Brian Jackson from LGAQ on Working Towards a Zero Waste Future. The zero waste to landfill strategy presents a number of challenges for our sector. This presentation will invite delegates to consider solutions to the issues. We will be encouraged to explore innovative solutions to meeting these challenges.

Andrew Johnson, Director Operations, Somerset Regional Council will present on the award-winning Brisbane Valley Rail Trail (BVRT). At 184kms, this is the longest trail in Australia and follows the disused Brisbane Valley rail corridor. Walkers, cyclists and horse riders can now experience the diverse rural landscape and breathtaking Brisbane Valley. The project is more than a successful engineering outcome - it has recycled a dormant rail corridor into an iconic, unique recreational trail that is attracting visitors and businesses to the Somerset region.

The welcome dinner will be held at Sage on Hickey (Gatton Bowls Club) with a barefoot bowls fundraiser for MS Queensland.

We would like to thank our sponsors including morning tea sponsor, Shepherd Services, International Women’s Day morning tea sponsor, GHD, lunch sponsor, GenEng and Branch Conference Dinner sponsor, Proterra Group. Your support is invaluable and critical to the success of our conference.

We hope you enjoy your time in Gatton!

Angela Fry
SWQ Branch President
Conference Details

<table>
<thead>
<tr>
<th>Dates</th>
<th>Thursday 7 March – Friday 8 March</th>
</tr>
</thead>
<tbody>
<tr>
<td>Venue</td>
<td>Lockyer Valley Conference Centre, 34 Lake Apex Drive, Gatton</td>
</tr>
</tbody>
</table>

Getting There
The Lockyer Valley is approximately 1 hour drive west of Brisbane or 30 minutes from Ipswich. Gatton, the region’s largest town is located 40 minutes east of Toowoomba. From Brisbane, follow the Ipswich Motorway and follow Toowoomba signage, exiting onto the Warrego Highway. The Warrego Highway runs directly through the Lockyer Valley.

About Gatton
The fertile Lockyer Valley is home to the rich farming region of Gatton Shire, just 60 minutes from Brisbane. Known for its spectacular scenic backdrop of steep hills and the mountains of The Great Dividing Range, Gatton is a fast growing region that has maintained its natural beauty and charm.

In November 2009, Gatton became home to the Lockyer Valley Cultural Centre, a purpose built facility which houses a Library, Art Gallery, Function and Conference rooms, Visitor Information Centre and the Queensland Transport Museum – all this with the beautiful backdrop of Lake Apex.

Registration
The registration desk is located at the start of the hallway of the conference centre. Please register early and collect a program or download this Handbook to your smart phone or tablet.

Registration desk opening times are:

<table>
<thead>
<tr>
<th>Thursday 7 March</th>
<th>10:00 - 11:00</th>
</tr>
</thead>
<tbody>
<tr>
<td>Friday 8 March</td>
<td>8:30 - 9:00</td>
</tr>
</tbody>
</table>

When you register, please purchase an MSQ pin for $5 and purchase your raffle tickets at $5 each or five tickets for $20.

Dress Code
Conference program, welcome and closing functions: smart casual, no suits or ties.

Photography
We will be taking photos throughout the conference and at social functions. Photos taken at the conference may be published in our journal, Engineering for Public Works, on our website and in marketing materials that promote our members, IPWEAQ and our industry. If you do not wish to be photographed, please advise our staff member and move out of camera range. Otherwise, consent is presumed granted. If you would like to arrange a group photo of you and your colleagues, please be sure to arrange this with us.

Livestreaming
We will be livestreaming the final session of the conference, the panel session, Grants and the impact on Managing Assets with Councillor Chris Wilson (Lockyer Valley Regional Council), Peter See (Paroo Shire Council) and Kylie Munn (GHD).

IPWEAQ members across the state will be able to join this session.

Conference Sponsors
We wish to acknowledge our Principal Partners (Komatsu and A2K Technologies), Partners, exhibitors and sponsors for their ongoing support and contribution to our successes. Please see page 9 for our event sponsors.

Exhibition
The trade exhibition is located in the entrance foyer and flows down to the Deck. It is open during the following times:

<table>
<thead>
<tr>
<th>Thursday 7 March</th>
<th>8:30 - 4:00</th>
</tr>
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<tbody>
<tr>
<td>Friday 8 March</td>
<td>8:30 - 4:00</td>
</tr>
</tbody>
</table>

We encourage you to visit and spend time with our exhibitors who supply products and services for our industry and contribute to our community. Please show your appreciation with your time and genuine interest.

A number of trade exhibitors will be conducting business card draws. Winners will be announced at afternoon tea Friday 8 March. Winners should make their way to the relevant trade booth to collect their prize.

Best Paper Award
The winner of the Best Paper award will be chosen by the SWQ Branch Committee together with our President, Seren McKenzie. Please be sure to share your views on the best papers with them throughout the conference program.

The winner of the Best Paper award will receive a complimentary registration to attend the IPWEAQ Annual Conference to be held at the Royal International Convention Centre in Brisbane, 22-24 October 2019. They will also present their paper at this event.

WiFi
The Lockyer Valley Conference Centre offers complimentary WiFi. Simply accept the Terms & Conditions to connect.

LVCC_Conference. Password: Red White Blue

Dietary Requirements
If you have informed us of any special dietary requirements (vegetarian, vegan, coeliac etc), this information has been passed on to the catering team and any external venues for social events you have registered to attend.
Please make yourself known to the catering staff during meal breaks and social functions. All efforts have been made to accommodate your requests.

Feedback
After the conference, we will email your certificate of attendance with CPD hours stated together with a conference survey form.

Your feedback is valued and will guide us for future events. Thanking you in anticipation.

Conference Contacts
Monica Robertson 0481 266 355  
Leigh Cunningham 0449 987 238  
Craig Moss 0431 745 277  
Mark Lamont 0423 520 900

We look forward to welcoming you to the SWQ Branch conference in Gatton!

Please share your experiences on social media using #SWQ19

Social Events
Welcome Function
Venue: Sage on Hickey, 1 Hickey Street, Gatton  
Date: Thursday 7 March  
Time: 17:30 - 22:00

We will be hosting a barefoot bowls competition to raise funds for our President’s charity, MS Queensland. A donation of $5 (minimum) is required to participate. Following barefoot bowls, there is a buffet dinner at the venue.

Bus Transfers
Buses will depart the conference venue at 17:15  
Return buses will depart Sage on Hickey at 9pm and 10:30pm.

IPWEAQ Bike Club – inaugural ride  
(Toogoolawah to Moore)
Join us for a unique Technical Tour on the award-winning Brisbane Valley Rail Trail (BVRT)! This project won the 2018 IPWEAQ Excellence Award for Projects $2 million - $5 million and is an excellent example of a project delivered for the benefit of Queensland communities so please be sure to check it out! The BVRT winds its way up the Brisbane Valley, traversing farmland, forests, picturesque rural settings and country towns. Being on the old railway line, the BVRT provides an off-road climb up the valley for day trippers, overnight camping or longer term adventures but some sections can be more challenging.

The BVRT officially starts at Wulkuraka Station in Ipswich and continues to Fernvale before looping westwards to Lowood and then continuing north to Coominya, Esk, Toogoolawah, Moore, Linville, Benarkin and Blackbutt before finally arriving in Yarraman. Or do it in reverse.

Date: Saturday 9 March  
8:00am: Meet at Toogoolawah Station  
8:30am: Transfer via shuttle service) to Moore  
[$20 transfer fee payable directly to Out There Cycling].  
9:00am: Commence ride at Moore  
2:00pm: Reach Toogoolawah Station

This ride is approximately 30kms with the option to continue further south once the journey back to Toogoolawah is completed. You can hire or BYO bike. Hire costs starts at $50 per day arranged directly with Out There Cycling.

Constitution
We will be holding a General Meeting of members in Brisbane, Thursday 6 June at 4pm. At this meeting, we are proposing to adopt a new constitution which supports a new corporate structure – a Company Limited by Guarantee (IPWEAQ is currently an incorporated association).

A copy of the proposed new constitution is available at the Registration Desk. Members, please take a moment to read it and to ask any questions of our CEO. If you’re happy with the new constitution and are unable to attend the General Meeting in Brisbane in June, please complete a Proxy Form (also available at the Registration Desk) so your vote can be recorded.

New Members
We would like to welcome our new members:

Kurt Baker  
Jim O’Dea  
Amy Bernier  
Sam Robertson  
Shelley Burchett  
Dan Schimke  
Kim Clayton  
Adhikary Shekhar  
Phil Herron  
Maddy Stahlhut  
Gary Love  
Melissa Stark  
Ashleigh Morrow  
James Varughese  
Sam Murphy

Join IPWEAQ
Join IPWEAQ for the 1/2 year to 30 June 2019 for:

Member:  
Annual Subscription $280 plus GST  
HALF YEAR $140 plus GST ($154)

YIPWEAQ (Under 35):  
Annual Subscription $170 plus GST  
HALF YEAR $85 plus GST ($93.50)

We have an IPWEAQ navy polo for new members joining us in Gatton so don’t miss out!
Councils and Organisations

We look forward to welcoming delegates from the following councils and organisations:

Councils
- City of Ipswich
- Goondiwindi Regional Council
- Lockyer Valley Regional Council
- Maranoa Regional Council
- Murweh Shire Council
- Paroo Shire Council
- Scenic Rim Regional Council
- Somerset Regional Council
- South Burnett Regional Council
- Southern Downs Regional Council
- Toowoomba Regional Council
- Western Downs Regional Council

Organisation
- A2K Technologies
- Australian Asphalt Pavement Association
- Australis Asset Advisory Group
- Bellwether Consulting Services Pty Ltd
- Board of Professional Engineers of Queensland
- Boral
- Brandon & Associates Pty Ltd
- CARDNO Ltd
- Consultant
- CPM Group
- Delnorth Roadside Products
- Department of Transport and Main Roads
- Dial Before You Dig
- Downer Group
- EJ Australia Pty Ltd
- EJ Tannock & Associates Pty Ltd
- Engeny Water Management
- EngInfra Consulting
- Fulton Hogan Industries Pty Ltd
- GenEng Solutions Pty Ltd
- GHD Pty Ltd
- GWR Civil Engineering Management
- Haro Designs
- Harrison Infrastructure Group
- Holcim
- Ingal Civil Products
- InQuik Pty Ltd
- ITS PipeTech
- Joe Wagner Group
- Komatsu Australia Pty Ltd
- Local Buy
- McBers Innovative Solutions
- McCullough Robertson Lawyers
- Nexus Infrastructure
- Orion Solar
- Peak Services
- Professionals Australia
- Proterra Group
- Queensland Reconstruction Authority
- QUT
- Redfrost Pty Ltd
- Retired
- RoadTek
- Saferoads
- Shepherd Services Pty Ltd
- Stabilised Pavements of Australia
- SuperSealing
- Thompson Consulting Engineers
- Vacuworx Australia
- Wagners CFT Manufacturing Pty Ltd
- Water Technology
Our Partners

Principal Partners

A2K Technologies

KOMATSU

BORAL

DIAL BEFORE YOU DIG

www.1100.com.au

Delnorth

Downer PipeTech

ej

Fulton Hogan

Harrison Infrastructure Group

Humes

INGAL Civil Products

LION Asset and Data Management Services

McBerneS Innovative Solutions

Lawyers McCullough Robertson

Orion Solar

Pavement Management Services

Peak Services

Rocla

Safereads

SuperSealing

Shepherd Services Asset and GIS Solutions

Stabilised Pavements Australia Strength - Flexibility

Wagners
Our Subscribers

Queensland Government
Department of Transport and Main Roads

BARCALDINE REGIONAL COUNCIL
BUNDABERG REGIONAL COUNCIL
Burdekin Shire Council
Cairns Regional Council
Cassowary Coast Regional Council
CHARTERS TOWERS REGIONAL COUNCIL
City of Gold Coast
City of Townsville
shire of Flinders
Fraser Coast Regional Council
Goondiwindi Regional Council
City of Ipswich
Isaac Regional Council
Livingstone Shire Council
Lockyer Valley Regional Council
Logan City Council
**Program**

*Program subject to change*

**Thursday 7 March 2019**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:00am – 11:00am</td>
<td>Conference Registration and Morning Tea – sponsored by Shepherd Services</td>
</tr>
<tr>
<td><strong>Session 1</strong></td>
<td><strong>Chairperson: Seren McKenzie</strong></td>
</tr>
<tr>
<td>11:00am – 11:10am</td>
<td>Conference Welcome</td>
</tr>
</tbody>
</table>
| 11:10am – 11:30am | **Conference Opening**  
Mayor Graeme Lehmann, Somerset Regional Council  
Deputy Mayor Jason Cook, Lockyer Valley Regional Council |
| 11:30am – 12:00pm | **Working towards a Zero Waste Future**  
Brian Jackson, Peak Services |
| 12:00pm – 12:30pm | **Brisbane Valley Rail Trail**  
Andrew Johnson, Somerset Regional Council |
| **12:30pm – 1:40pm** | **Lunch - sponsored by GenEng Solutions**                                        |
| **Session 2**     | **Chairperson: Dereck Sanderson**                                               |
| 1:40pm – 2:00pm   | **Dude, Where’s My Yard?**  
Andrew Thompson, Water Technology |
| 2:00pm – 2:20pm   | **Strategic Stormwater Infrastructure Planning for Future Growth in Regional Townships**  
Kelsey Mundt, Engeny Water Management |
| 2:20pm – 2:40pm   | **How Unique is your Council?**  
Sean Rice, ProTerra |
| 2:40pm – 3:00pm   | **Smart tools for data management**  
Sean Twomey, AZK Technologies |
| **3:00pm – 3:30pm** | **Afternoon Tea**                                                              |
| **Session 3**     | **Chairperson: Luke Tanner**                                                    |
| 3:30pm – 3:50pm   | **NTCH Portal compliant - where do you stand?**  
Mark Lamont, IPWEAQ |
| 3:50pm – 4:10pm   | **Mechanisms to control poor contractual performance**  
Joseph Jones, McCullough Robertson |
| 4:10pm – 4:30pm   | **Disaster Recovery Funding Arrangements**  
Jimmy Scott, Queensland Reconstruction Authority |
| 4:30pm – 5:00pm   | **Heavy vehicle reforms at the local roads level**  
Mike Brady, Toowoomba Regional Council |
| 5:15pm            | **Transfer to Gatton Bowls Club**                                                |
| **5:30pm – 10:00pm** | **Conference dinner - at the Gatton Bowls Club – Sponsored by ProTerra Group** |

*Program subject to change*
### Friday 8 March 2019

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>8:30am – 9:00am</td>
<td>Conference Registration</td>
</tr>
</tbody>
</table>
| 9:00am - 9:20am    | **Session 4** Chairperson: Maddy Stahlhut  
Unsealed Roads Prioritisation Process  
Michael Kinion, Somerset Regional Council |
| 9:20am – 9:40am    | Managing Geotechnical Risks during Construction - A Case Study TSRC Project  
Peter Reynolds, Department of Transport and Main Roads |
| 9:40am – 10:00am   | Project Learnings  
Haydn O’Leary, Toowoomba Regional Council |
| 10:00am – 10:30am  | The road safety barrier dilemma revisited: balancing capacity against flexibility  
Andrew Burbridge, Affiliation: Queensland University of Technology |
| 10:30am – 11:15am  | **Session 5** Chairperson: Andrew Johnson  
International Women’s Day Morning Tea – Sponsored by GHD |
| 11:15am – 11:45am  | FRP Hybrid Structures  
Joe Ash, Wagners |
| 11:45am – 12:15pm  | Toowoomba Second Range Crossing – Constructing the Viaduct  
Isaac Kirsch, Department of Transport and Main Roads |
| 12:15pm - 12:30pm  | Branch Update  
Angela Fry, SWQ Branch President |
| 12:30pm – 1:30pm   | Lunch (including raffle draws) |
| 1:30pm – 2:00pm    | **Session 6** Chairperson – Angela Fry  
Cemetery Operations Improvement Project  
Brendan Sippel, Lockyer Valley Regional Council |
| 2:00pm – 2:30pm    | Getting better performance from bituminous materials - from waste to sustainability  
Rob Vos, AAPA |
| 2:30pm – 3:00pm    | Panel Discussion - Grants and the impact on Managing Assets  
Cr Chris Wilson, Lockyer Valley Regional Council  
Peter See, Paroo shire Council  
Kylie Munn, GHD |
| 3:00pm – 3:15pm    | Conference close |
| 3:15pm – 4:00pm    | Afternoon Tea |

### Optional activity

**Saturday 9 March 2019**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
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<tbody>
<tr>
<td>8:00am – 8:30am</td>
<td>Meeting Point - Toogoolawah Station</td>
</tr>
<tr>
<td><strong>Tech Tour</strong></td>
<td>Tour Guide – Andrew Johnson</td>
</tr>
</tbody>
</table>
| 8:30am - 12:30am   | Guided bike ride on the award-winning Brisbane Valley Rail Trail  
Toogoolawah to Moore |
We are delighted to confirm there are 22 exhibitors in Gatton located as follows.

- InQuik Pty Ltd
- Dial Before You Dig
- Downer PipeTech Pty Ltd
- Peak Services
- Orion Solar
- SuperSealing
- McBems Innovative Solution
- Joe Wagner Group
- Saferoads
- Ingal Civil Products
- Fulton Hogan Industries Pty Ltd
- Komatsu Australia Pty Ltd
- Boral
- Vacuworx
- EJ Australia Pty Ltd
- Somerset Regional Council
- Board of Professional Engineers of Queensland
- McCullough Robertson Lawyers
- A2K Technologies
- Delnorth
- Catering
- Conference Room
  (4 rooms opened up)
- Catering
- Registration Desk

Exhibitors

Conference Room
(4 rooms opened up)
**Sponsors**

Thank you again to our wonderful sponsors for this year’s SWQ Branch Conference.

<table>
<thead>
<tr>
<th>Sponsorship Function</th>
<th>Sponsor</th>
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<tbody>
<tr>
<td>Morning Tea</td>
<td>SHEPHERD SERVICES</td>
</tr>
<tr>
<td>Thursday 7 March</td>
<td></td>
</tr>
<tr>
<td>International Women’s Day Morning Tea</td>
<td>GHD</td>
</tr>
<tr>
<td>Friday 8 March</td>
<td></td>
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<tr>
<td>Lunch</td>
<td>geneng</td>
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<tr>
<td>Thursday 7 March</td>
<td>&quot;Achieving Outstanding Solutions&quot;</td>
</tr>
<tr>
<td>Branch Conference Dinner &amp; MS Queensland Fundraiser</td>
<td>PROTERRA GROUP</td>
</tr>
<tr>
<td>Thursday 7 March</td>
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</tbody>
</table>
President’s Charity – MS Queensland

IPWEAQ Presidents nominate a charity for members to support during their term. Our President, Seren McKenzie, has chosen Multiple Sclerosis Queensland. Multiple sclerosis (MS) is one of the most common diseases of the central nervous system. It affects the brain, spinal cord and optic nerve and impacts more young people in Australia than any other chronic progressive neurological disease.

The term multiple sclerosis means ‘many scars’ and refers to the damage caused in the central nervous system. Over 25,600 people in Australia have MS, including 3,700 Queenslanders, and it affects each person differently. On average more than 10 Australians are diagnosed with MS every week.

For the past 60 years, MS Queensland has provided care and support to Queenslanders living with MS, and more recently, other chronic, progressive neurological diseases. As the only Queensland provider with specialised services dedicated to supporting people living with MS, your wellbeing is at the heart of everything we do.

During the SWQ Branch Conference, we will be selling raffle tickets to raise money for MSQ. Tickets will be sold throughout the conference at 5 for $20 or $5 per ticket. Drawing of the raffle will be during lunch on Friday 8 March.

We will also be hosting a barefoot bowls competition at the welcome function. A donation of $5 (minimum) is required to participate.

Please remember to purchase your MSQ pin when you register for $5.

Accommodation

Accommodation Options

If you are yet to arrange accommodation, we recommend the following providers. Special rates and room blocks have been secured. Accommodation in the area is filling up fast so please book now!

- **Rooms Motel Gatton**
  - $125 per room per night.
  - Please contact the hotel via phone to access this special rate.
  - Ph: (07) 5462 1111

- **Gatton Motel**
  - $110 per room per night.
  - Please contact the hotel via phone to access this special rate.
  - Ph: (07) 5462 3684

- **Lockyer Motel**
  - $99 per room per night.
  - Please contact the hotel via phone to access this special rate.
  - Ph: (07) 4697 6066

Breakfast

Breakfast is available at Rooms Motel Gatton and Gatton Motel – please order upon check in. Breakfast is also available at the Lockyer Valley Function Centre’s, Staging Post Café for $8.00 per person.

Social Media

We encourage delegates to tag us on social media:

- [@IPWEAQ](https://twitter.com/IPWEAQ)
- [@IPWEAQ](https://facebook.com/IPWEAQ)
- [@IPWEAQ](https://instagram.com/IPWEAQ)
IPWEAQ’s new native title and cultural heritage portals help you comply with the law and avoid acts that will impact on cultural heritage and native title including impairment and extinguishment. The portals establish a methodical, documented, robust process and establish that an appropriate level of thoroughness was applied in determining whether or not to proceed with works.

**IMPAKT**

1. Resource to undertake complex assessments in a logical framework with templates, lists, registers and geo-spatial mapping.
2. Detailed record keeping system which generates a PDF documenting all elements of the assessment including text, maps and photographic evidence which supports the reason for your decision.
3. User friendly portal with a step by step process to ensure infrastructure and other projects comply with legislation which will save you time and money.
4. Interactive site which links to the latest data in government and other databases.

**Section 51(1) Native Title Act 1993** - an entitlement on just terms to compensate native title holders for any loss, diminution, impairment or other effect of the act on their native title rights and interests.

Mark Lamont will deliver a presentation on IPWEAQ’s solution to native title and cultural heritage compliance, Thursday at 3:30pm.

**Subscriptions**

½ year subscriptions open now!

$5,000 plus GST for all councils, utilities, government departments, consultancies and mining companies (Yearly subscription $10,000 plus GST)

Contact Director, Information & Resources
† Mark.Lamont@ipweaq.com ▶ 3632 6806

www.ipweaq.com
All programs can be customised to meet your specific needs and delivered in-house at your preferred location.

- Managing unsealed local roads
- Basic geometric road design
- Drainage for road design
- Managing the risk on lower order roads
- Demystifying EDD applications
- Road safety audit
- Treatment of crash locations
- Bridge inspection Levels 1 and 2
- Introduction to asset management
- Road pavement (visual assessment)
- Stormwater drainage condition assessment & asset performance
- Native title and cultural heritage compliance
- Leadership – difficult conversations
- Leadership – influencing others
- The emerging leader
- And many more programs in development

Professional Development Packages available to deliver a single course or multiple courses over a set period of time. Packages of $5,000 or $10,000. EOFY is approaching!

Our training may also qualify for a funding subsidy through your RRTG under the Roads & Transport Alliance SCDF Fund.

To attain or maintain RPEQ, you must complete 150 CPD hours every three years.

Earn up to 45 CPD hours for preparing and presenting at an IPWEAQ conference.

See 10 benefits of presenting at an IPWEAQ Conference.

Contact
Craig Moss
Director, Professional Services
07 3632 6805  Craig.Moss@ipweaq.com

Kate O’Riordan
Professional Development Manager
3632 6807  Kate.O’Riordan@ipweaq.com

or register online at www.ipweaq.com/courses