



QUEENSLAND NORTHERN TERRITORY

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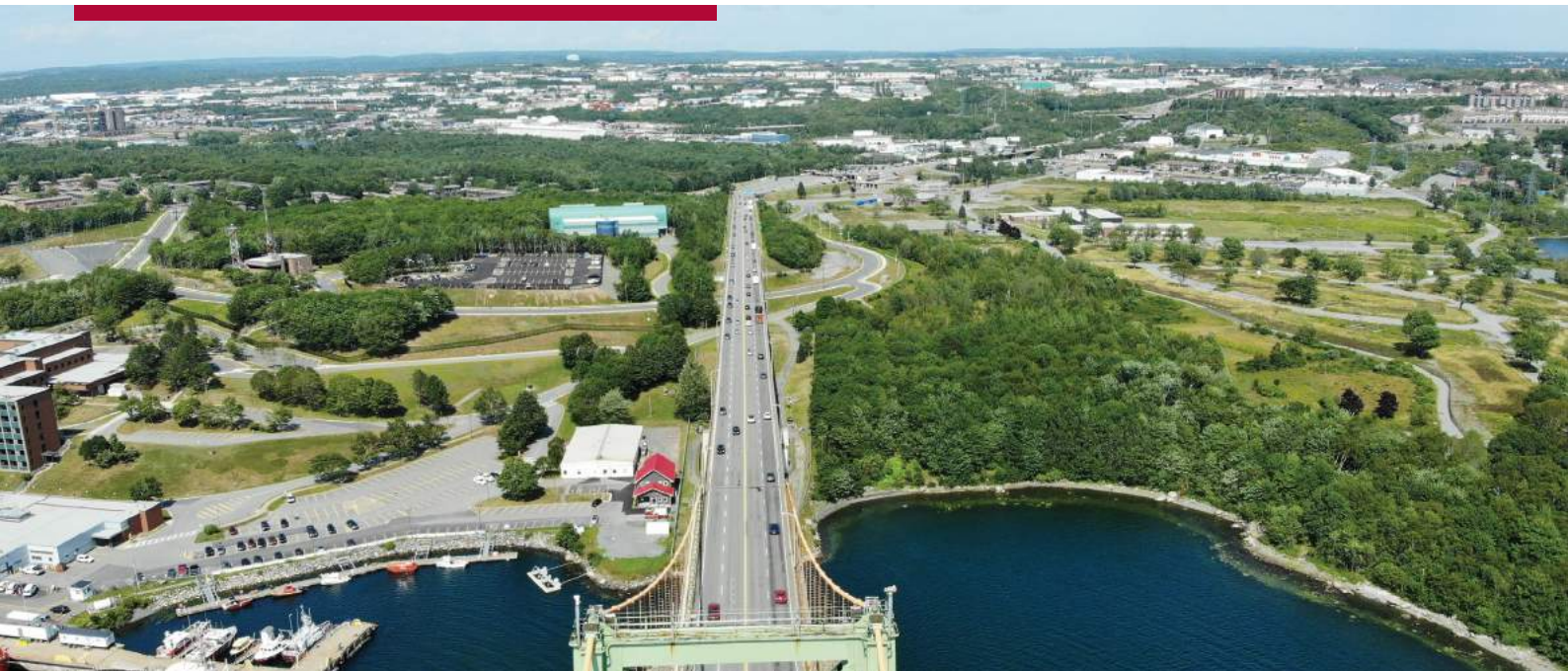
INSTITUTE OF PUBLIC WORKS
ENGINEERING AUSTRALASIA

**INFORMS. CONNECTS.
REPRESENTS. LEADS.**

BRANCH CONFERENCE HANDBOOK

NQ Branch Conference 2022

Mackay, 10-11 May 2022



www.ipwea-qnt.com



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Welcome from the Branch President

We are very pleased to welcome you to the IPWEAQ NQ Branch Conference in Mackay in partnership with Mackay Regional Council. This year's conference showcases local projects and activities including two keynote presentations on the Mackay Waterfront project and the Mackay Mountain Bike Trail.

The Welcome Function will take place on Monday 9 May at Mackay Hotel – join us for a drink before conference proceedings commence on Tuesday morning! The Branch Conference Dinner on Tuesday 10 May includes an exclusive, interactive Trivia Night run by QuizzaMe! Grab your team of eight during day one of the conference and get ready for a night of fun and entertainment!

We would like to thank our sponsors including host council Mackay Regional Council, name tag sponsor Premise and morning tea sponsor Shepherd Services. Your support is invaluable and critical to the success of our conference.

We hope you enjoy your time in Mackay!

Glenda Kirk
NQ Branch President





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Conference Details

Dates	Tuesday 10 May - Wednesday 11 May
Venue	Mackay Entertainment & Convention Centre (MECC) 258 Alfred Street, Mackay, QLD 4740

About Mackay

Home to Australia's longest stretch of subtropical rainforest, Mackay presents no end of opportunities to explore untouched nature and the region's multitude of breathtaking and pristine national parks.

A trip to Mackay promises natural encounters that make you feel like you're chartering your own adventure – whether it be exploring secluded beaches, casting a line, discovering tropical islands just offshore or hiking its famous hinterland.

Registration

Registration desk opening times are:

Tuesday 10 May	7.30am - 8.30am
Wednesday 11 May	8:00am - 8:30am

When you register, please purchase your raffle tickets at \$5 each or five tickets for \$20 for the Strengthening Rural Communities program by the Foundation for Rural Regional Renewal (FRRR).

App

Please download the IPWEAQ NQ Branch Conference App to get the most out of your conference experience. Within the Attendee App you will be able to:

- Review the conference agenda
- Review and amend your registration, including social function attendance
- Search for and message other conference delegates, including Speakers and Exhibitors
- Receive conference alerts
- Access this conference handbook

Dress Code

Conference program, welcome and branch conference dinner: 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.

Conference Sponsors

We wish to acknowledge our Principal Partners (Department of Transport and Main Roads, Reece Civil, RCPA and Wagners), Partners, exhibitors and sponsors for their ongoing support and contribution to our successes. Please see page 18 for our event sponsors.

Exhibition

The trade exhibition is located next to the plenary, outside the conference space. It is open during registration and all catering breaks.

Best Paper Award

The winner of the Best Paper award will be voted by delegates.

The winner of the Best Paper award will receive a complimentary registration to attend the IPWEAQ Annual Conference to be held in Brisbane at the Brisbane Convention and Exhibition Centre 11-13 October, 2022.

WiFi

Network: MECC Hotpot
Login: IPWEAQ
Password: IPWEAQ

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.



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Conference Contacts

Craig Moss 0431 745 277
Savannah Roberts 0413 438 846

We look forward to welcoming you to the NQ Branch conference in Mackay! Please share your experiences on social media using #NQ22

Social Events

Welcome Function

Venue	Mackay Hotel 179 Victoria Street, Mackay
Date	Monday 9 May
Time	6.00pm - 8.00pm

Branch Conference Dinner

Venue	Harrup Park, Garden Bar 89 Juliet Street, South Mackay
Date	Tuesday 10 May
Time	6pm - 10pm

New Members

We would like to welcome our new members:

Graham O'Byrne	Wayne Saldumbide
Asiful Alam	Clinton Murray
Leonard Behera	Daniel Moore
Jason Radley	Scott Hahne
Peter Tonkes	Alex Robinson
Renee Wallace	Eva Grabner
James Kent	Sue Turner
Peter White	Gareck Packer
Jarrah Doran-Smith	Robert Brammer
Michael Griffin	Brendan Slattery
Ross Pitt	Steven Thompson
Gary Edwards	Geraldine Hollyman
Motahar Chowdhury	Michael Hagen
Amanda Hancock	

Membership Milestones

Name	Organisation	2021-2022 Advances
Brian Bailey		40 Years
Dawson Wilkie	all.PM	35 Years

Join IPWEAQ

Join IPWEAQ this May through to 30 June 2022 (plus GST):

Member \$65.00
Graduate *\$46.67

** Graduates within five years of graduation, Bachelor's degree*

Annual subscription 1 July 2021 to 30 June 2022:

Member \$390
Graduate \$280





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Councils and Organisations

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

Council

- Cassowary Coast Regional Council
- Douglas Shire Council
- Flinders Shire Council
- Mackay Regional Council
- Mount Isa City Council
- Townsville City Council
- Whitsunday Regional Council

Organisation

- all.PM
- Asphalt Preservation Advisory
- Australian Concrete Mats
- Becker Project Solutions
- Boral
- CPM Civil Pty Ltd
- Danley
- Department of Transport and Main Roads
- Far North Queensland Regional Organisation of Councils
- Fulton Hogan Industries Pty Ltd
- GHD Pty Ltd
- Geofabrics Australasia
- Holcim (Australia) Pty Ltd
- HUESKER Australia
- Ingal Civil Products
- Interflow Pty Ltd
- Leading Roles
- LO-GO Appointments
- McBerns Innovative Solutions
- Mirotone Pty Ltd
- NB lawyers
- Norton Rose Fulbright Australia
- Peak Services
- PLASGAIN
- Premise Australia Pty Ltd
- Proterra Group Pty Ltd
- Retex Pavement Services
- Regional Development Australia Tropical North
- RPQ Group
- Saferoads
- Shepherd Services Pty Ltd
- Stabilised Pavement of Australia
- Solutions in Transport
- SuperSealing
- St George Project Services
- Tipec Pty Ltd
- Wagners Quarries Pty Ltd





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Our Partners

PRINCIPAL PARTNERS



ENTERPRISE PARTNERS





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Our Subscribers





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Program

Monday, May 9, 2022

6:00 PM - 8:00 PM

Welcome Function
Mackay Hotel 179 Victoria Street Mackay**Tuesday, May 10, 2022**

7:30 AM - 8:30 AM

Registration Open

8:30 AM - 8:40 AM

Introduction and Housekeeping

8:40 AM - 9:00 AM

Conference opening

9:00 AM - 9:30 AM

Mackay Waterfront project
Kylie Rogers, Mackay Regional Council

9:30 AM - 10:00 AM

Mackay Mountain Bike Trail
Aletta Nugent, Mackay Regional Council

10:00 AM - 10:30 AM

Township Network Planning – Shared Use Pathway and Footpaths
– Concept Development and Prioritisation
Bradley Jones - Principal Traffic Engineer, Premise Australia Pty Ltd

10:30 AM - 11:00 AM

Morning Tea

11:00 AM - 11:30 AM

Three Tips for Managing People – An Employment Law Perspective
Jonathan Mamaril, NB Lawyers

11:30 AM - 12:00 PM

Temporary Traffic Management – Are You Compliant?
Dr Dan Sullivan, Solutions in Transport

12:00 PM - 12:30 PM

Demystifying professional registration
Craig Moss, IPWEAQ

12:30 PM - 1:30 PM

Lunch

1:30 PM - 2:00 PM

Barron River (Kuranda) Bridge: Stage 1 Investigations and Repairs
Michael Ringer - Principal Engineer (Civil), Department of Transport and Main Roads

2:00 PM - 2:30 PM

Innovative FRP Application, Birkenhead Bridge Deck Case Study
Dr Ali Mohammed - Project Structural Engineer, Wagners CFT

2:30 PM - 3:00 PM

Remediation of culverts beneath roadways
James O'Grady, Mainmark

3:00 PM - 3:30 PM

Afternoon Tea

3:30 PM - 4:00 PM

Dealing with defects on projects
Alex Power, McCullough Robertson Lawyers

4:00 PM - 4:30 PM

Magnetic Island Forts Junction Hub
Graham Anderson, GHD



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4:30 PM - 5:00 PM	Crystal Cascades Water Intake Upgrade Project Travers Boland, GHD and Peter Thoren, Cairns Regional Council
6:00 PM - 10:00 PM	Conference Dinner Harrup Park - Garden Bar 89 Juliet Street, South Mackay

Wednesday, May 11, 2022

8:00 AM - 8:30 AM	Registration
8:30 AM - 9:00 AM	Sustainability & Carbon Reduction Savings by extending the life of Mackay Airport runway Ross Ioakim, ASI Solutions and Bayden Matheson, Mackay Airport
9:00 AM - 9:30 AM	Pavement rehabilitation reimagined: Asphalt and Chipseal solutions for more cost-effective, longer-lasting, and sustainable construction – Local experience Johannes Theron, Huesker Australia
9:30 AM - 10:00 AM	Using AI for Sealed Road Maintenance Management Stephen Hegedus, Shepherd Services
10:00 AM - 10:30 AM	Intelligent compaction – what we have done, what we are planning Brian Lowe - Principal Technologist, Department of Transport and Main Roads
10:30 AM - 11:00 AM	Morning Tea
11:00 AM - 11:30 AM	Recognising and dealing with poor performing contracts Ren Niemann, Norton Rose Fulbright Australia
11:30 AM - 12:00 PM	Upskilling Contractors: A Case Study in Frustration, Reflection and Communication Johannes Inoke, St George Project Services
12:00 PM - 12:30 PM	Benefits of Change in the Management of Fleet Services Ross Pitt, Mt Isa City Council
12:30 PM - 1:30 PM	Lunch including raffle draw
1:30 PM - 2:00 PM	Improving Network Performance of Unsealed Roads with Practical Data Darren Shepherd, Shepherd Services and Tom Sanders, Cassowary Coast Regional Council
2:00 PM - 2:30 PM	General approach to flood modelling to address flood immunity issues as part of the development assessment process in Townsville Michael Lee - Senior Development Engineer, Townsville City Council
2:30 PM - 3:00 PM	Geosynthetic Concrete Mattress for Erosion protections: rivers and canals Gus Martins, Huesker Australia
3:00 PM - 3:15 PM	Conference close and best paper awarded



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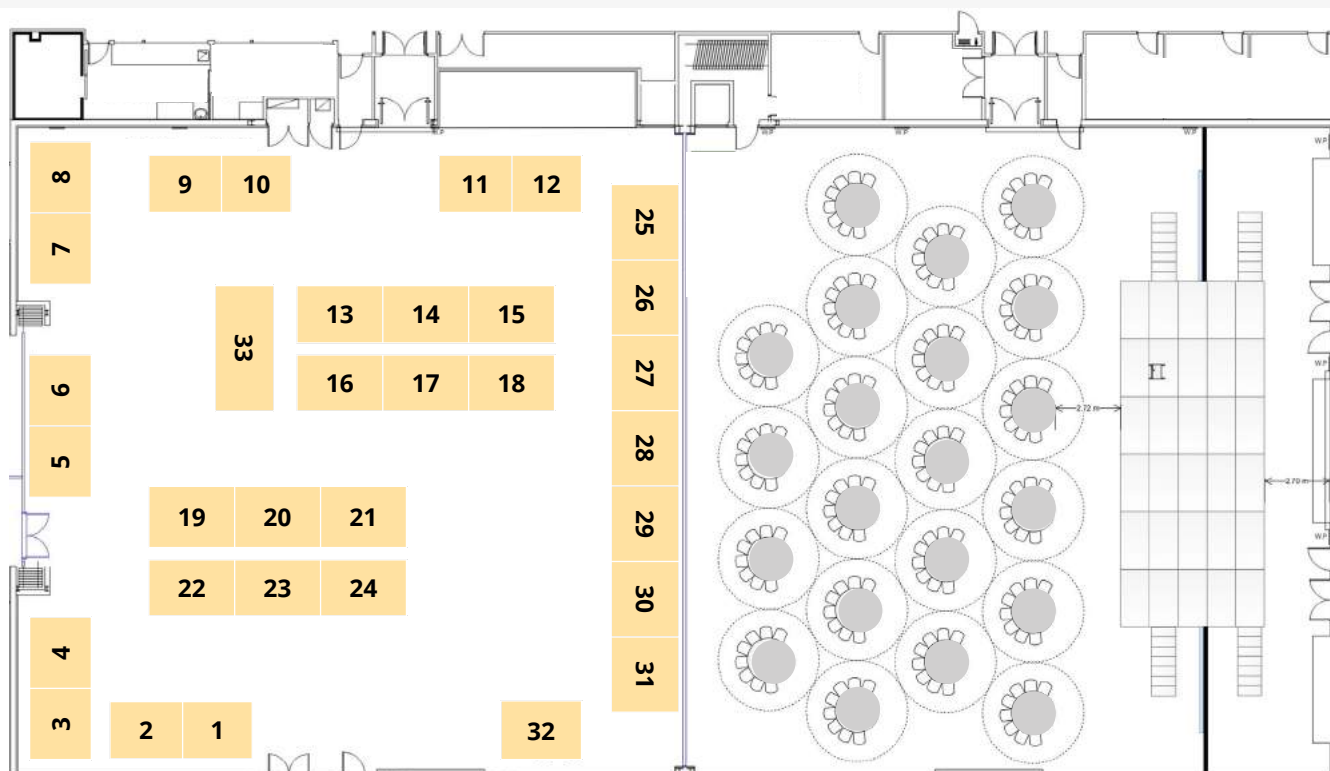
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Exhibitors

We are delighted to confirm there are 33 exhibitors in Mackay located as follows.



1	Australian Concrete Mats	12	Mirotone Pty Ltd	23	SuperSealing
2	Boral	13	McBerns Innovative Solutions	24	RCPA
3	Holcim Australia	14	Danley	25	Huesker Australia
4	EESA	15	Leading Roles	26	Local Buy
5	Orion Solar	16	Downer Group	27	NB Lawyers
6	Wagners CFT Manufacturing Pty Ltd	17	Peak Services	28	Ingall Civil Products
7	Fulton Hogan Industries Pty Ltd	18	Saferoads	29	TBA
8	SpelStormwater	19	Norton Rose Fulbright Australia	30	Plasgain
9	Stabilised Pavements of Australia	20	Interflow	31	RPQ Group
10	Proterra Group Pty Ltd	21	Geofabrics Australasia	32	Solutions in Transport Pty Ltd
11	McCullough Robertson Lawyers	22	LO-GO Appointments	33	Retex Pavement Services



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Sponsors

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

Platinum Sponsorship

Mackay Regional Council
Host Council



Silver Sponsorship

Premise
Name Tag



Bronze Sponsorship

Shepherd Services
Morning Tea



Social Media Handles

We encourage exhibitors to use our handles when posting to social media:

- @IPWEA Queensland
- @IPWEAQ
- @IPWEAQ
- @ipweaq





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President's Charity - Strengthening Rural Communities

The Strengthening Rural Communities (SRC) program aims to give the thousands of small rural, regional and remote communities across Australia an opportunity to access funding to support broad community needs.

Given the events of summer 2019/20, it has also been expanded to offer funding to support recovery in bushfire-affected communities.

Grants are available for a broad range of grassroots, community-led initiatives that directly and clearly benefit local communities. Applications are accepted on an ongoing basis and assessed quarterly.

During the NQ Branch Conference, we will be selling raffle tickets to raise money for Strengthening Rural Communities. Tickets will be sold throughout the conference at 5 for \$20 or \$5 per ticket. The raffle will be drawn during lunch on Wednesday 11 May.





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NATIVE TITLE & CULTURAL HERITAGE PORTAL AND RECORD KEEPING TOOL

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.

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.

i M P A C T

i ntegrated
M anagement
P ortal for
A ssessment of
C ultural heritage and native
T itle

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 information in government and other databases.

SUBSCRIPTIONS

Subscriptions now open for the first year of iMPACT!

Annual Subscription	Plus GST
One-off Project Assessment	\$1,000
Councils with less than 25,000 constituents	\$3,000
All other councils, utilities, consultancies and other industry entities eg mining, pastoral.	\$5,000
Access to iMPACT including ongoing capability training to meet your changing needs.	\$10,000

Public Works Technical Subscription Apply a 10% discount if your council is a PTWS subscriber.

Contact Director, Information & Resources
✉ Mark.Lamont@ipweaq.com ☎ 3632 6806

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Professional Development

Native
Title and
Cultural
Heritage

Urban
Planning

Traffic
Engineering

Construction
Practices

Asset
Management

Stormwater
Drainage

Design
Practices

Professional
Practice

Construction
Law

Contract
Management

Leadership

Finance for
Technical
Professionals

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