

PWI QLD NEWSLETTER



Issue 01 - May 2019

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Permanent Way Institution Inc.

Queensland Section

President's Address



Robin Stevens

President

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This is the first Newsletter of 2019, and I look forward to a new year of interesting technical presentations and social events for Permanent Way Institution (PWI) Queensland.

Firstly, I would like to thank our sponsors (listed below) for their support of our organisation, as without their generosity, the events that you attend would not be possible.

Our sponsors for 2019:

Gold Membership

- Pandrol (Fasteners and Equipment), Delkor, ARTC, SMEC

Silver Membership

- Pandrol (Welding and Equipment), Thermit, Arup, Schwihag, Austrak, Geofabrics, Rail Planning Services

Bronze Membership

- RT Health, Arcadis, PW Rail Services, Morson International, Voestalpine

I would also like to personally thank Debra Hoather and Jason Livingstone for taking PWI to the regional areas of Rockhampton and Mackay, to deliver an interesting program of technical presentations and networking evenings. As per the attached photograph, three presenters delivered several topics on the 19th of February in Rockhampton. Please ensure you check your emails for the next event in the regional areas.



PWI event at Rockhampton in February

PWI is about its members and their support of events, so I look forward to welcoming you to this year's technical presentations and social events. The committee are working hard to bring informative and relevant presentations to the PWI, however we are always looking for suitable presentations for our technical evenings, please contact myself or a committee member if you have a topic or project you would like to deliver.

Please find below, some upcoming events for your diary and remember that PWI requires members and guest's participation to keep these events continuing:

- **5 June:** Technical Meeting – Topic TBA
- **July:** Rockhampton Technical Meeting – Topic TBA
- **19 July:** Partners Night
- **18-19 August:** Regional Rail Study Tour

If you have an interest in presenting at a technical event, please contact the PWI Qld.



QR MMNY038 track recording machine at Banyo

I look forward to seeing you at the next PWI event, bring a friend along and enjoy the night!

Robin Stevens

President

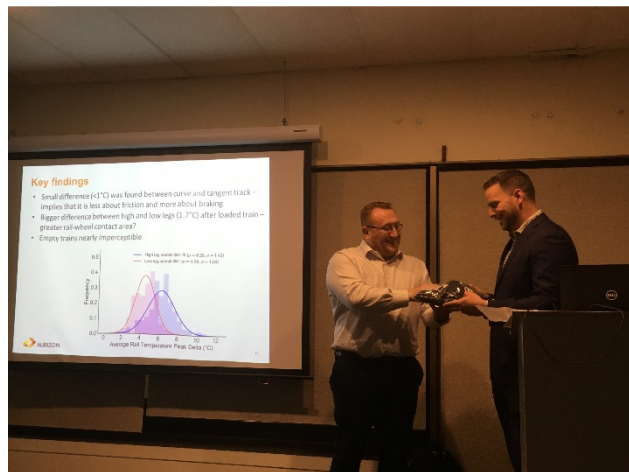
Technical Events

Modelling and Managing Track Stability at Black Mountain (May 2018)

by Mr Daniel Buntine, Senior Civil Engineer at Aurizon

Daniel presented on an investigation that challenged industry knowledge on the relationship between trains and rail stress. Aurizon Network were able to reduce summertime track misalignments at Black Mountain, near Mackay, from six to zero in just one year.

What started as an accidental discovery of an engineer burning his hand on the head of the rail, grew into journey of discovery of a rail heating phenomenon not well understood or documented in the heavy haul world. It focused on rail temperatures, the combination of which, along with long trains, challenging track alignments, and high-frequency coal traffic rivalling some Brisbane suburban lines, meant rail temperatures were compounding higher and higher.



Daniel Mundine receiving a gift from Anthony Dunn on behalf of PWI

Queensland Rail's Pneumatic Turnout Network (June 2018)

by Mr Haider Rizvi, Team Leader Track & Mechanical Design at Queensland Rail

Haider discussed the operation of pneumatic points, pneumatic network and compressor room, whilst providing an overview of Queensland Rail's

plan to implement a rollout of pneumatic operations to cover all points motors within the inner-city network. This is aimed to cover more than 200 motors spread between Milton and Bowen Hills.



Pneumatic compressor room in Brisbane

Technical Evening at Rockhampton (July 2018)

by Various Speakers

Presenters from various grades and disciplines each delivered 30-minute technical presentations on several engineering topics including:

- Modelling and managing track stability
- Verse stress testing methods
- Pilot cellular vs. RMS
- Schwarz excavation
- Laser fencing

Asset Investment Planning and Optimisation (September 2018)

by Mr Bruce Murnane, Australia Manager at SEAMS

Bruce provided insight on how asset owners can use data analytics and modern mathematical techniques to optimise intervention investments while still delivering required services levels. Results of several examples from a rail context were outlined, demonstrating how asset owners can:

- Maintain service delivery while reducing maintenance and repair costs, and

- Justify required expenditure to stakeholders and regulators for an agreed level of service delivery

Gold Coast Light Rail State 2 (GCLR2) (November 2018)

by Mr Adam Morgan, Construction Manager at CPB Contractors

A key part of the Gold Coast 2018 Commonwealth Games, the GCLR2 project was delivered ahead of schedule in December 2017, safeguarding the transportation of approximately 3000 people per hour between Helensvale and Broadbeach during the Games.

Adam provided an overview of the project and some of the challenges faced during its construction from a rail perspective.



QR MMNY038 driving seat

At the end of the event, a BBQ and drinks session were held.



Helensvale Intermodal Station

The New Track Recording Machine MMY038 (March 2019)

by Various Speakers from Queensland Rail

Members and guests were welcomed at Banyo facilities to take a look at Queensland Rail's newest track recording machine, MMNY038. The ensuing presentation provided an overview of the development, testing, commissioning and capabilities of the track recording machine.

In addition to the presentation, Chris Andrews, David Owen and Owen Coster provided a guided tour through the new machine, demonstrating the capabilities of, and outputs that the machine can produce.



QR MMNY038 track recording machine at Banyo

Social

Partners Night (July 2018)



Partner's night at Bavarian Beerhaus



Partner's night at Bavarian Beerhaus

PWI Golf Day (October 2018)

Oxley Golf Course was once again the venue for the annual PWI Golf Day. Luckily, we were blessed with beautiful weather after the torrential rain observed all week. There was some section of the course still under water making it much easier to find the drinks. Fortunately for most groups, it was 4 ball Ambrose. Once again, a big thank you to PWI President for manning the drinks cart and keeping all players well hydrated.

The winners were the ARTC team Matt Ross, Andrew Doe, Andrew Roberts and Jack O'Donohue; great job guys!



ARTC Team - Winners are grinners



A PWI member demonstrating nice form

Queensland Rail Industry Christmas Conversazione (December 2018) by Steve Kanowski, Transport Economist and a Partner at Deloitte.

The joint Christmas Party held at SMEC brought together the PWI, RTSA, RTAA and IRSE for some festive cheer.

Steve presented an often-light-hearted talk about the economic viability of rail and its potential in South East Queensland and Australia.

Sponsors



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On behalf of the PWI Committee, we wish to thank our sponsors for continual support of our organisational activities. It is with them we can ensure longevity of a professional organisation with members as engaging, experienced and diverse as that of PWI QLD.

Gold Membership



Pandrol is a designer, manufacturer, and supplier of cost-effective resilient rail fastening systems and welding for all types of track and traffic conditions to railroads and transit systems in Australia.

www.pandrol.com



Delkor Rail is a global leader rail componentry manufacturing; providing technical advice and componentry for over 30 years. The company has manufactured and supplied rail components for various key projects such as the London Underground in the UK, Chatswood to Epping Rail Link in Sydney, and West & South Island Lines, Shating to Central in Hong Kong.

www.delkorrail.com



ARTC is a Government of Australia owned statutory corporation that manages most of Australia's interstate rail network. The company is directly leading the once-in-a-generation project, Inland Rail, which aims to connect regional Australia and transforming the way we move freight around the country.

www.artc.com.au



Member of the Surbana Jurong Group

SMEC is a multidisciplinary and professional services engineering company which provides consulting services on major infrastructure projects world-wide.

www.smec.com

Silver Membership



Voestalpine is the world market leader in turnout technology for railways, metros and tramways. Operating in Mackay, Queensland for more than 20 years and in recent years opening a factory in Bathurst, New South Wales.

www.voestalpine.com



Thermit Australia is synonymous with aluminothermic welding and glued insulated joint supply in the Australasia region.

<http://www.thermit.com.au>

ARUP

Arup is a multinational professional services firm which provides engineering, design, planning, project management and consulting services for all aspects of the built environment.

www.arup.com



Austrak is a manufacturer and supplier which specialises in technical solutions for sleepers.

www.austrak.com



Schwihag is a manufacturer and supplier which specialises in technical solutions for switches and tracks.

www.schwihag.com

JOHN HOLLAND

John Holland Rail delivers complex multi-discipline rail projects and specialist projects covering operations, construction, maintenance and renewals of track, signalling, overhead line, stations, structures and tunnelling in both live operational environments and greenfield sites.

johnholland.com.au

GEOFABRICS®

Smarter Infrastructure

Geofabrics is a manufacturer and distributor of geosynthetic products and solutions.

www.geofabrics.co

RailPlanning Services

Rail Planning Services is a professional service consultancy which provides expertise in strategic delivery and risk management within a rail infrastructure context.

www.railplanning.com.au

Bronze Membership



RT Health Fund is a not-for-profit health fund.

www.rthealthfund.com.au



Arcadis NV is a global design, engineering and management consulting company.

www.arcadis.com



Morson International is one of the most respected names in recruitment, helping candidates find their perfect role and helping companies find the right people for their business since 1969.

www.morsongroup.com.au



PW Rail Services Rail consultancy with expertise in the planning, design and construction of track and associated civil and interface works, either client side or for constructors.

Upcoming Events

Date	Event
Wednesday 5 th June	Technical Meeting – Topic TBA
July	Rockhampton Technical Meeting – Topic TBA
Friday 19 th July	Partners Night
18-19 August	Regional Rail Study Tour

Committee



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Ian Marks	-
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Chris Flynn	PW Rail Services
Chris Downs	Arup
Bryan Mower	Arcadis
James Robinson	SMEC
Santiago Estrada	SMEC
Daniel Price	Arup
Maria Genn	Queensland Rail
Larry Hadley	Austrak

Permanent Way Institution Inc. Queensland Section

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Join us and go into the draw to WIN!

WIN a \$750 Bunnings Gift Card*

Join rt health between 1 April and 30 June 2019 and we'll put you into the draw. It's as easy as that!

rt members enjoy:

- No excess for dependent children covered by your hospital cover
- Super prices for sole-parents
- A 30-day money back guarantee[^]
- Complete continuity of cover if you've already served waiting periods with another fund and take a similar level of cover with us.

4 ways to win:

- Call us on **1300 56 46 46**
- Email join@rthealthfund.com.au with your details
- Join online at rthealthfund.com.au
- Fill out your details on the form, hand it back to us, and we'll contact you.

Please contact:

Name
Phone
Email
Would you like a quote or comparison? (Y/N)

Fill out this form and hand back to your account manager, or give us a call on **1300 56 46 46**.

*Terms and conditions apply. Permit No LTPS/19/33587. [^]30-day cooling off period refund applies only when you have not made a claim. Railway & Transport Health Fund Limited (ACN 087 648 744) ("rt health"). 0419/3362

We make it simpler

rt health (MEMBERS OWN HEALTH FUND)



Find your perfect fit by mixing and matching Hospital + Extras

	Gold Premium Hospital	Silver Plus Smart Hospital	Bronze Plus Step Up Hospital	Bronze Plus First Start Hospital
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Different excess options to help keep the prices down

\$0 excess	✓	×	×	×
\$250 excess	✓	×	×	×
\$350 excess	×	✓	✓	✓
\$500 excess	✓	×	×	×
\$700 excess	×	✓	✓	✓

Some covers have exclusions or restrictions (covered in a public hospital only) to help keep prices down

Hospital psychiatric services	No exclusions or restrictions	Restricted	Restricted	Restricted	
Rehabilitation		✓	Restricted	Restricted	
Joint replacements		×	×	×	
Dialysis for chronic kidney failure		×	×	×	
Heart and vascular system		✓	×	×	
Cataracts		✓	×	×	
Assisted reproductive services		✓	×	×	
Weight loss surgery		✓	×	×	
Back, neck and spine		✓	✓	×	
Plastic and reconstructive surgery (medically necessary)		✓	✓	×	
All other services covered by Medicare		✓	✓	✓	
		From \$37.85 per week*	From \$34.35 per week*	From \$25.20 per week*	From \$20.10 per week*

MIX 'N' MATCH

	Premium Extras	Smart Extras	Value Extras
Services			
General dental	✓✓✓	✓✓	✓
Major dental	✓✓✓	✓✓	×
Orthodontics	✓✓✓	×	×
Optical	✓✓✓	✓✓	✓
Physio and chiro	✓✓✓	✓✓	✓
Gym membership	✓	✓	×
And many more ...	✓✓✓	✓✓	✓
	From \$16.10 per week*	From \$11.75 per week*	From \$5.50 per week*

Plus members enjoy preferential pricing at our Healthy Centres!

1300 56 46 46
join@rthealthfund.com.au / rthealthfund.com.au

rt health (MEMBERS OWN) HEALTH FUND

*Prices are indicative, based on a single, QLD-based membership, receiving a 25.059% rebate with no Lifetime Health Cover loading and the highest available excess for all hospital covers. Prices rounded up to the nearest 0.05 cent and effective from 1 April 2019. Services covered by Hospital products are effective from 1 May 2019. The information contained in this fact sheet is general information about rt's insurance services and products, and provides a summary of our covers. rt takes care to ensure the information found in it is complete and accurate. The information does not, however, represent the complete list of cover, waiting periods and benefits in relation to rt's insurance services. rt accepts no responsibility for loss or expense arising from reliance on the information found solely in this document. You should confirm any benefit, waiting period or statement within any of rt's policies and obtain advice specific to your individual circumstances by contacting rt health on 1300 56 46 46.