



VOL. 5 – 2015 SPECIAL AUSRAIL PLUS 2015 EDITION

AusRAIL PLUS 2015 | Melbourne

Conference & Exhibition 24-26 November

Doing It Smarter. People, Power, Performance

COME AND SEE US AT STAND #764



Message from RTAA Secretary – Sandy Bull

Welcome to this Special Edition which highlights the RTAA at AusRAIL PLUS 2015 in Melbourne. This year the RTAA will be enjoying a higher profile at the largest rail exhibition / conference in Australasia, acknowledging the strong association the RTAA has with this event.

To refresh your memory, between 1973 and 2001, the RTAA organised thirteen highly successful rail conferences at three yearly intervals. These conferences were held in major locations in Australia and New Zealand and were well supported by the rail community. They included guest speakers from Australia and overseas, providing a high standard of technical papers and information. In 2001, it was evident that volunteers could no longer contain the popularity of an ever-expanding event so the RTAA took a new direction and secured an agreement with the ARA to join forces in the organisation of AusRAIL. For the first time, five major industry groups, ARA, RTAA, ARIC, IRSE and RTSA combined to present the highly successful 2003 AusRAIL PLUS Conference in Sydney with over 600 attendees.

Today the RTAA is still represented on the AusRAIL organising committee. Our Technical Stream attracts a large number of delegates eager to hear the presentations from our technical speakers, handpicked from around the world by our team of technical reviewers to ensure high quality and professional excellence.

For the first time in 2015, the Yellow Tie Dinner has been re-branded as the RTAA Yellow Tie Dinner, in recognition of this tradition initiated by the RTAA in 1981. This year, it will be the RTAA president who welcomes the dinner guests. The yellow ties (for the men) or scarves (for the women) proudly acknowledge attendance at this prestigious event within the rail industry with its specially designed loud yellow / gold ties. Proudly sponsored by Bombardier, this evening is traditionally the industry's "talkfest" – it is THE place to consolidate and grow your industry contact list. Featuring the "International Magician of the Year", Cosentino, the 2015 event again promises to be a memorable night.

Book now for the AusRAIL PLUS 2015 conference and RTAA Yellow Tie Dinner!

Also new in 2015, is the RTAA display booth which can be found at booth number 764. We have lots of hand-outs so please come and meet us.

The RTAA invites all members to attend our Annual General Meeting at AusRAIL PLUS on 25 November 2015. We have an early start at 7.30am finishing before the commencement of the conference proceedings at 9.00am. To encourage and energize attendees for the long day ahead, we provide a delicious hot breakfast.

The RTAA has been around since 1973 but if we want it to continue we need motivated volunteers to seize the baton. We are looking for new members on our management committee. Please contact us if you would like to make a difference in rail.

Annual General Meeting of the Rail Track Association Australia Inc.

WHEN: 25 November 2015 at 7.30am

WHERE: Meeting Room 210, located on Level 2 Melbourne Conference and Exhibition Centre.

WHO: All Members, personal and corporate member employees

FOOD & BEVERAGE: Full hot breakfast – free for attendees

WHY: Come and hear our 2015 achievements and plans for 2016.

Meet the team and consider why you should be a part of this dynamic organization.



AUSRAIL PLUS 2015 – RTAA TECHNICAL STREAM

Tuesday 24th November 2015



Session 1 - Projects

1.50 - Technical speakers meeting

1.55 - Opening remarks from the Chair - **David Bainbridge, Director Strategic Projects, Scott Lister (RTAA President)**

2.00 – “The role of client-side technical support in the successful delivery of the Regional Rail Link”.
Rachel Nicholls, Principal, Arup & **Chris Crellin**, Manager of Major Projects, Engineering and Construction Australia, KBR

2.30 – “The successful delivery of a Smarter Alliance Program for ARTC – the achievement of engaged people, powerful innovation and high performance on the Hexham Relief Roads Project”
Richard Gardener, Alliance Manager, Leighton Contractors

3.00 – “Design and construction of the underbridge over Parramatta Road, Granville”
Stephen Burkitt, Technical Executive, Structural Engineering, WSP | Parsons Brinckerhoff & **Joe Muscat**, Principal Engineer Bridges, Sydney Trains

3.30 Afternoon tea



Session 2 - Technology

3.50 - Technical speakers meeting

3.55 - Opening remarks from the Chair - **David Bull, Director & Company Secretary, Bull Head Services (RTAA Vice President and Life Member)**.

4.00 - “Improved Safeworking systems for Turnouts”.
Andrew Bressanutti, Project Engineer, Metro Trains Melbourne

4.30 - “Optimised Tamping Technology through Innovation”.
Florian Auer, Senior Expert Track Technology, Plasser & Theurer

5.00 - “Application of detailed theory at the rail / wheel interface leading to smart solutions to maintain turnouts and predict safety against derailments”.
Raj Prithviraj, Technical Services Manager, voestalpine VAE Railway Systems

5.30 - Close of Day One

AUSRAIL PLUS 2015 – RTAA TECHNICAL STREAM

Wednesday 25th November 2015



Session 3 - Track Monitoring

1.50 - Technical speakers meeting

1.55 - Opening remarks from the Chair - **Jonathan Barnes, Acting Rail Inspection Services Manager, Sydney Trains (RTAA Vice President)**

2.00 – “Track condition monitoring using Service Trains”.
Justin Southcombe, Commercial Director, Perpetuum

2.30 – “Safety improvement in railway using the RIMON system”.
Matteo Sciuotto, Marketing Manager, Si Consulting

3.00 – “Scheduling and grouping preventive maintenance and renewal projects of railway track”.
Farzad Pargar, Graduate Researcher, University of Twente

3.30 - Afternoon tea



Session 4 - Track Support

3.50 - Technical speakers meeting

3.55 - Opening remarks from the Chair - **Warwick Kinscher, General Manager, Vossloh Cogifer Australia (RTAA Past President and Life Member)**.

4.00 – “Embedded rail system - Could it work in the unique Australian rail environment”.
Neal Mumford, Rail Business Leader, Arup & **Charles Penny**, BSc CEng

4.30 – “High speed railway ballast characterisation using ground penetrating radar”.
Mark Bell, Business Development Manager GeoRadar, IDS Australasia

5.00 - IVES – A combined bottom up / top down track slab approach as an alternative to ballasted track”.
Martin Kowalski, Head of Track System Technology, Rhomberg Rail & **Henrik Vocks**, Project Manager, Rhomberg Rail

5.30 - Close of Day Two

The RTAA wishes to thank Peter Milton, Chief Technical Reviewer and his Technical Review Team of David Bull, Kylie Huth, Lachlan Daniel, Jim Mahood, David Stump, Rebecca Want, Julian Sharp and Duncan McLeod for their efforts in bringing together this final Technical Stream Program for AusRAIL PLUS 2015.

We wish you all a pleasant and successful AusRAIL PLUS 2015!