

National Transport Infrastructure Workshop (NTIW–2019) Program

Day One – 13 February Pullman Hotel Hyde Park

8:30	Registration	13:10	Sam Henwood, Director Pavements and Geotechnical, Roads and Maritime Services <i>Title: RMS Technical Challenges And Opportunities</i>
9:00	Opening Address	13:30	Jonathan Hale, MENARD <i>Title: Application Of Ground Improvement In Transportation</i>
9:30	Ravi Ravitharan, Director of the Institute of Rail Technology, Monash University <i>Title: Safety And Efficiency Improvements Through Integration Of Real Time Infrastructure Condition Monitoring Technologies In Rail Operations</i>	13:50	Interactive Session on Track Design Buddhima Indraratna and Trung Ngo, University of Wollongong <i>Title: Track Design Aspects And Methodologies</i>
9:50	Richard Kelly, Chief Technical Principal, SMEC <i>Title: Geotechnical Aspects Of Inland Rail</i>	14:50	Questions
10:10	Michael Moffatt, State Technical Leader for NSW/ACT ARRB <i>Title: Smart Pavements ARC: Just How Smart Can A Rock Get?</i>	15:10	Afternoon Tea
10:30	Questions	15:30	Arul Arulrajah, Swinburne University of Technology <i>Title: Ground Improvement For Railways And Pavements: Case Studies</i>
10:40	Morning Tea	15:50	Louis Le Pen, University of Southampton, UK <i>Title: Track Monitoring Techniques And Insights Into Track Performance – Uk Experience</i>
11:00	David Oliveira, Technical Director for Jacobs, Asia-Pacific and Middle East <i>Title: Tunnels For Transport Infrastructure: Bigger, Better And More</i>	16:10	Hugo Acosta Martinez, AURECON <i>Title: Innovation In Underground Transport Projects – A Cultural Shift</i>
11:20	Kim Chan, Senior Technical Director – Geotechnics, GHD <i>Title: Performance Of Soft Soil Foundations Improved By Rigid Inclusions For Transport Infrastructure</i>	16:30	Xianzhang Ling, Harbin Institute of Technology (HIT), China <i>Title: Problems For Rail Transit Foundation Dynamics In Cold Regions</i>
11:40	Erol Tutumluer, University of Illinois at Urbana – Champaign, USA <i>Title: Railroad Track Substructure Behavior – United States Perspective With Special Emphasis On Ballast</i>	16:50	Questions
12:00	Questions	17:00	Network Session: Canapés and Drinks
12:10	Lunch	18:30	NTIW – 2019 Dinner

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Day Two – 14 February Pullman Hotel Hyde Park

- 9:00 David Och, Principal Engineering Geologist, WSP Australia Pty Limited
Title: Sydney Metro City & Southwest: Site Investigation And Ground Characterisation For The Sydney Harbour Crossing
- 9:20 Amir Shakolahi, Pavement Technical Manager, Global Synthetics Pty Ltd
Title: Design And Applications In Granular Media
- 9:40 David Airey, University of Sydney
Title: Is Intelligent Compaction Intelligent?
- 10:00 Stephen Hancock, International Sales Terram & Tubex, UK
Title: The Development And Application Of Geosynthetics For Rail Applications
- 10:20 Nasser Khalili, University of New South Wales
Title: Fundamentals Of Pore Pressure Response In Unsaturated Soil To Cyclic Loading
- 10:40 **Questions**
- 10:50 **Morning Tea**
- 11:10 **Panel Discussion – Challenges of Australian Transport Infrastructure**
- 12:00 **Closing Address**
- 12:30 **Lunch**
- 13:45 **Complimentary Bus Leaves for Russel Vale**
- 15:00 **Visit National Facility for Cyclic Testing of High-speed Rail (FCTHSR) at Russel Vale**
- 16:30 **Drinks and Snacks at UOW**
- 17:10 **Complimentary Bus Leaves UOW for Sydney Central**



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