Conference Program and Schedule with Technical Poster Displays*
- All Functions are at ICC Sydney -

**Wednesday, 10 March 2021 – All Functions are in Parkside 1**

12:30 - 17:00 Exhibitor Move-In and Poster Set-Up

12:30 - 18:00 Conference Registration

18:00 - 20:00 Welcome Reception in Exhibit Hall

**Thursday, 11 March 2021 | All Plenary Sessions are in Parkside 2**

07:00 - 17:30 Conference Registration and Exhibits with Poster Displays

07:00 - 08:00 Networking Breakfast in Exhibit Hall

08:00 - 08:30 Welcome and Opening Remarks - Mark Johnson, PFSF Executive Director and Theresa Engler, DFI Executive Director and Serhat Baycan, PFSF President | BAUER Foundations Australia Pty Ltd

**OPENING PLENARY SESSION | Moderator: Harry Poulos, D.Sc. Eng., Coffey**

08:30 - 09:30 KEYNOTE LECTURE | The Application of Dynamic Analyses for Testing of Non-Uniform Deep Foundations
Samuel Paikowsky, Ph.D., P.E. | University of Massachusetts - Lowell | United States

09:30 - 10:15 INVITED SPEAKER | Case Studies: Effects of Piling on Adjacent Piles and Structures in Soft Soils
Michael Broise, BSc (Hons) | Douglas Partners | Australia

10:15 - 10:40 A Case Study Describing the Use of Top-Down Construction Sequence for a Three-Level Basement Using a Diaphragm Wall and CFA Foundation Piles
Chris Leach, MIEAust, CPEng | Keller APAC | Australia

*schedule and program subject to change*
10:40 - 11:05  Networking Break in Exhibit Hall with Poster Displays

SESSION TWO | Moderator: Patrick Wong, PKW Geosolutions

11:05 - 11:30  Stability Calculations and Construction Risks for Fluid Supported Structures
Martin Larisch, Ph.D. | Golder Associates Pty Ltd. | Australia

11:30 - 11:55  Case Study of Geotechnical Challenges Involving Ground Improvement and Successful Completion of Pile Foundations in a Rail Project in India
Venkata Dronamraju, Ph.D. | RAIL VIKAS NIGAM LTD | India

11:55 - 12:20  Design, Modelling and Construction of a 12-Sided Diaphragmed Walled Shaft
Stephen Buttling, Ph.D., CPEng | National Geotechnical Consultants | Australia

12:20 - 13:20  Networking Luncheon & Exhibition with Poster Displays

SESSION THREE | Moderator: Bruce McPherson, Douglas Partners

13:20 - 14:20  KEYNOTE LECTURE | Forms of Contracting, Approaches to Risk Sharing and the Impact on Innovation, Productivity and Project Outcomes
Phil Oxley, BSc (Hons), MBA | Mott MacDonald | Australia

14:20 - 14:50  Safety in Design
Christian Mazzucchelli | Keller | Australia

14:50 - 15:15  Economic Design of Piling Platforms on Coarse Grained Subgrade
Patrick Wong | PKW Geosolutions Pty Ltd | Australia

15:15 - 15:40  Modification in Current BRE Approach for Designing Piling Rig Working Platforms on Soft Subgrades
Amir Shahkolahi, BE, MEngSc, MIEAust | Global Synthetics Pty Ltd | Australia

15:40 - 16:05  Ground Improvement of Granville Harbour Wind Farm Foundations Using Controlled Modulus Columns
Babak Hamidi | Menard | Australia

16:05 - 16:30  Networking Break in Exhibit Hall with Poster Displays

SESSION FOUR | Moderator: Nic Morgan, Geotech

16:30 - 16:55  Case Studies Demonstrating the Effectiveness of Vibro-Replacement Stone Columns in Variable Soil Types
Lee Buhagiar | Coffey | New Zealand

*schedule and program subject to change
16:55 - 17:20  Pile Design Using CPT Results: The “LCP Method”  
Fred Verheyde | Douglas Partners Pty Ltd | Australia

17:20 - 17:45  Design and Construction of the Deepest CFA Piles in Australia  
Eric Chong, BEng(Hons) Ph.D., MIEAust, CP Eng | Keller | Australia

17:45 - 18:10  130m Deep Bored Piles – A New Superlative  
Serhat Baycan | BAUER Foundations | Germany

19:00 - 22:00  Conference Dinner and Entertainment

Friday, 12 March 2021 | All Plenary Sessions are in Parkside 2

07:00 - 17:30  Conference Registration & Exhibits with Poster Displays

07:00 - 08:00  Networking Breakfast in Exhibit Hall with Poster Displays

SESSION FIVE | Moderator: Stephen Gamble, Douglas Partners

08:00 - 09:00  KEYNOTE LECTURE | Building the Foundations of a New City Using Innovative Ground Improvement Strategies – Capital City District  
Jerome Racinais | Menard | France

09:00 - 09:25  The Design and Construction Aspects of the Proposed Foundation Strengthening Works for the Kununurra Dam in Western Australia  
Ming Lai, B.E. (Hons) | Keller | Australia

09:25 - 09:55  Comparison of Large Plate Load Test Result with Predicted Deformation in Deep Vibro Techniques Treated Ground for Iron Ore Stockpile Yard in Vietnam  
William Chong | Keller Foundations (S E Asia) Pte Ltd | Singapore

09:55 - 10:30  Networking Breakfast in Exhibit Hall with Poster Displays

SESSION SIX | Moderator: Stephen Buttling, Ph.D., National Geotechnical Consulting

10:30 - 10:55  Metro Sports Facility - A Ground Improvement Case Study  
Dominic Mahoney | Aurecon | New Zealand

10:55 - 11:20  Design Considerations of Laterally Loaded Free Head Piles in Engineering Practice  
Min Cai, Ph.D. | SMEC | Australia

*schedule and program subject to change
11:20 - 11:45 Approximate Assessment of Basement Wall Effects on Foundation Performance
Helen Chow, Ph.D. | Aurecon | Australia

11:45 - 12:45 Networking Luncheon & Exhibition with Poster Displays

SESSION SEVEN | Moderator: Ondrej Synac, Coffey

12:45 - 13:45 KEYNOTE LECTURE | Driven Displacement Pile Ground Improvement for Liquefaction Mitigation
Armin Stuedlein, Ph.D., P.E. | Oregon State University | United States

13:45 - 14:10 The Galataport Project in Istanbul, Turkey: a unique case history in geotechnical engineering.
Salvatore Miranda, P.E. | Trevi SpA | Italy

14:10 - 14:35 Countermeasure Against Soil Liquefaction at Galataport Project in Istanbul, Turkey
Salvatore Miranda, P.E. | Trevi SpA | Italy

14:35 - 15:00 Networking Break in Exhibit Hall with Poster Displays

15:00 - 18:15 Exhibit Dismantle

SESSION EIGHT | Moderator: Slav Tchepak, P.Eng., Keller Foundations

15:00 - 15:30 INVITED SPEAKER | Interrogating a PDA Report; A Rational Assessment
Dion Denes, M.Eng.Sc., C.P.Eng. | Golder Associates Pty Ltd | Australia

15:30 - 15:55 Application of Pile Test Data for the Foundation Design of a Rail Viaduct at Carrum
Suthagaran Visvalingam | WSP Australia | Australia

15:55 - 16:20 Rapid Load Testing of Foundation Piles - An Update on a Proved Test Method
Marcel Bielefeld, MSc MScBA | Allnamics Geotechnical Experts BV | Netherlands

16:20 - 16:45 Existing Pile Length Assessment Using Geophysical and Low Strain Testing Methods
Bruce McPherson | Douglas Partners | Australia

16:45 - 17:00 Closing Remarks

- Technical Poster Display List on Next Page –

*schedule and program subject to change*
POSTER DISPLAYS

CASE STUDIES WITH LESSONS LEARNED

Nearshore Pile Construction Experience in Burnie, Tasmania
Thomas Scott, Jacobs, Australia

DESIGN AND CONSTRUCTION SOLUTIONS TO FOUNDATION PROBLEMS

Deep CFA Piles Application for Foundation in Queensland
Sameh Khella, Keller Pty Ltd, Australia

Michal Krzeminski, MSc, Keller, Australia

Remediation of Rail Structures Impacted by Landslides Using Sleeved Bored Piles
Paul Hewitt, BE, MEngSc, MICE, FIEAust, CPEng, WSP, Australia

The Need for Air Control in Down The Hole Hammer Casing Advancement Drilling
Frank Purcell, Mincon, Inc., United States

Pawan Sethi, BEng (Hons), MSc, CEng, MICE, CPEng, FIEAust, NER, Coffey (A Tetra Tech Company), Australia

DEVELOPMENTS AND INNOVATIONS IN CONSTRUCTION EQUIPMENT, METHODS AND MATERIALS

Innovation in Pile Installation Techniques and New Age Piling Materials
Davide Cantali, B.E Civil MIE Aust, C&A Consulting Engineers, Australia

Influence of Freeze-Thaw Cycles on Strength and Heavy-Metal Leaching Performance of Stabilised Petroleum Drilling Mud
Yin Cheng, Ph.D., China Academy of Transportation Science, China

*schedule and program subject to change
GROUND IMPROVEMENT FOR STRUCTURAL SUPPORT AND RETENTION WORKS

Comparison of Cement Injection Process for Deep Cement Mixing  
Audrey Yim, National University of Singapore, Singapore

Soil Stabilization for COW Works has Proven Its Function  
Karsten Beckhaus, Dr.-Ing., BAUER Foundations, Germany

Working Platforms for Tracked Plant Over Various Subgrade Types – BR470 Design Guideline and a Revised Approach to Stabilisation Design with Multiaxial Hexagonal Geogrids  
John Buckley, Tensar International Limited, AUSTRALIA

INFRASTRUCTURE WORKS PROJECTS FROM PPPS, GOVERNMENT AUTHORITIES, BUILDERS, CONSULTANTS AND CONTRACTORS

Westgate Tunnel Project, MelbourneNorthern Portal - Ground Engineering Works  
Serhat Baycan, Bauer Foundations Australia Pty Ltd, Australia

INNOVATIVE SITE INVESTIGATION METHODS AND TECHNIQUES

A Novel Ground Improvement and Deep Foundation System, Using PAILEs  
Stephen Buttling, PhD, CPEng, National Geotechnical Consultants, Australia

TESTING OF FOUNDATIONS

Interpretation of Driven Tubular Pile with Soil Plug Test Results Using the Wave Impact Theory  
Arkadiy Bessmertnyy, Research Institute of Bases and Underground Structures, Russia

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*schedule and program subject to change