

PROGRAM

CGSE Showcase - Monday, 30th July 2018

8.15am – 8.30am	Arrival, tea, coffee, Level B, The Foyer
8.30am – 9.00am	Welcome & Overview, Centre Director, Scott Sloan
9.00am – 9.15am	Formal Address, Dr Chris Armstrong, Acting NSW Chief Scientist
9.15am – 9.30am	Australian Research Council, Prof Sue Thomas, CEO
9.30am – 9.45am	Perspectives from Industry, Prof Harry Poulos, Coffey
9.45am – 10.00am	Ballina Bypass Upgrade, Bob Higgins, Roads and Maritime Services
10.00am – 10.15am	Morning Tea, Level B, The Foyer
	Changing Practice (Richard Kelly)
10.15am – 10.35am	History and applications of penetrometers, Mark Randolph
10.35am – 10.55am	Large deformation finite element applications in geotechnical engineering problems, Britta Bienen
10.55am – 11.15am	Use of probabilistic methods in geotechnical engineering, Jinsong Huang
	Infrastructure Projects (John Carter)
11.15am – 11.35am	Heavy haul track advancement, Buddhima Indraratna
11.35am – 11.55am	Pacific Highway, what have we learned? Richard Kelly
11.55pm – 12.15pm	Unlocking Australia's offshore energy, Phil Watson
12.15pm – 12.30pm	Question Time
12.30pm – 1.00pm	Lunch, Level B, The Foyer
	Transformational Geotechnics (Harry Poulos)
1.00pm – 1.15pm	PFAS contamination and novel mitigation measures, Brett Turner
1.15pm – 1.30pm	Novel computational methods in geotechnical engineering, John Carter
1.30pm – 1.45pm	Fluid-structure-soil interaction, Scott Draper
1.45pm – 2.00pm	Failure of soil and rock masses, Olivier Buzzi
	Legacy (Scott Sloan)
2.00pm – 2.15pm	National Soft Soil Test Facility, Jubert Pineda
2.15pm – 2.30pm	National Geotechnical Centrifuge Facility, Christophe Gaudin
2.30pm – 2.45pm	Railway Geotechnics Facility, Buddhima Indraratna
2.45pm – 3.00pm	Exporting Technologies, James Doherty
3.00pm – 3.15pm	Question Time
3.15pm – 3.45pm	Afternoon Tea, Level B, The Foyer
3.45pm – 5.00pm	Future Challenges (Harry Poulos, Richard Kelly, Phil Watson, Will Wright) Sydney Airport Engineering properties of soft rock / hard soils Mega solar farms Foundations of offshore renewable devices (wind, wave) <i>Panel and audience discussion</i>
5.00pm – 6.00pm	Drinks and Canapes - Networking, Level B, The Foyer

CGSE Technical Workshops - Tuesday, 31st July 2018

8.15am – 8.30am	Arrival, tea, coffee, Level B, The Foyer
8.30am – 10.30am	INDUSTRY WORKSHOP Laboratory testing of soils Presented by: Jubert Pineda
10.30am – 10.45am	Morning Tea, Level B, The Foyer
10.45am – 12.45pm	INDUSTRY WORKSHOP Penetrometer testing: onshore and offshore Presented by: Sam Stanier
12.45pm – 1.15pm	Lunch, Level B, The Foyer
1.15pm – 2.45pm	INDUSTRY WORKSHOP Probabilistic methods in geotechnical engineering Presented by: Jinsong Huang
2.45pm – 3.00pm	Afternoon Tea, Level B, The Foyer
3.00pm – 5.00pm	INDUSTRY WORKSHOP Rail geotechnics - concepts, analysis and design methodologies Presented by: Cholachat Rujikiatkamjorn, Trung Ngo, Qideng Sun, Chamindi Jayasuriya, Fernanda Ferreira

The CGSE would like to thank the Australian Research Council, Coffey Geotechnics, Fugro Advanced Geomechanics, Douglas Partners, the NSW Government and the Ballina Bypass Alliance for ongoing financial and in-kind support.