

One-Day Symposium for AGS QLD Chapter

“Reducing CAPEX by Managing Geotechnical Risk on Projects”

4 October 2012
Treasury Casino Brisbane QLD

Program

8:30 – 9:00: Registration

9:00 – 9:15: Welcome Speech and Opening comments, by Organising Chair

9:15 – 9:30: Gold Sponsor Speech

9:30 – 10:30: Keynote Speaker 1: **Andrew Leventhal (GHD Geotechnics)**

“Presentation by AGS GYP 2010 and CEY 2011”

10:30 – 11:00: Morning tea break

Session 1:

11:00 – 11:45: Speaker 1: **Maurice Frazer (Fraser Geologics NZ)**

“Canterbury Earthquakes, Christchurch, NZ: Retaining Wall Damage and Rebuild Criteria”

11:45 – 12:30: Speaker 2: **Patrick Wong (Coffey Geotechnics)**

“Good Practice in Site Investigation and Design Process”

12:30 – 1:30: Lunch & exhibition booths

Session 2:

1:30 – 2:15: Speaker 3: **Jim Luo (Knight Piesold)**

“Reducing CAPEX by Adopting Alternative Solutions for Projects”

2:15 – 3:00: Speaker 4: **Bruce Brown (Riotinto)**

“Managing Geotechnical Risk in The Mining Industry”

3:00 – 3:30: Afternoon tea break

3:30 – 4:15: Speaker 5: **Burt Look (Sinclair Knight Merz)**

“Integration of the Geotechnical Known and Unknowns into Reducing Project CAPEX”

4:15 – 4:30: Silver Sponsor Speech

4:30 – 4:45: Closing Speech AGS QLD Chair

Introduction of Speakers



Keynote Speaker

Andrew Leventhal is a Senior Principal Geotechnical Engineer with GHD Geotechnics. He has over 35 years of experience in most areas of geomechanics, was Engineers Australia Sydney Division President in 2000 and again in 2001, and was AGS National Chairman in 2002-2003. He is the Chairman of the AGS Landslide Risk Management Sub-committee, and he is the AGS 2010 Geotechnical Practitioner of the Year, Engineers Australia Sydney Division Professional Engineer of the Year 2011, and the Sir John Holland Engineers Australia Civil Engineer of the Year 2011.

Speaker 1:

Maurice Fraser is a degree qualified geotechnical engineer and engineering geologist with some 20 years experience in the civil engineering & construction contracting industry. Maurice has worked across a range of industry sectors in the past two decades involving residential & commercial land development and earthworks, provision of rail and heavy civil infrastructure including piled bridge foundations and abutment design, ground improvement, liquefaction & settlement mitigation, hydro energy & irrigation project development & substantial design-build project optimisation and constructability engineering. Key Christchurch consultancy projects include stone columns for the southern stand at AMI stadium and Bromley Waste Water treatment plant as well as replacement bridges for KiwiRail throughout the South Island and several large irrigation projects currently in active commercial development across Canterbury.

Over the past 5 years Maurice has established Stone Strong NZ offering a range of retaining wall solutions to meet several client driven needs for rapid retaining wall construction in live road & railway environments but also to expand the range of engineer/ contractor led alternatives for retaining wall systems across Australia, NZ and the southwest Pacific.

Speaker 2:

Patrick Wong has been a consulting geotechnical engineer ever since graduating from The University of Sydney with First Class Honours in Civil Engineering in 1978. He joined the Coffey Group in 1979, and has held various leadership positions within Coffey including directorship of the operating company during the period 1991 to 1993, and Manager of Eastern Region during 1995 to 2000. Patrick has a wide range of geotechnical design expertise, including deep basements, deep foundations, and ground improvement. As well as all states of Australia, he has conduct major projects in countries such as Korea, Singapore, Malaysia, Vietnam, United Kingdom, Dubai, Jordan and Egypt.

He is currently a Senior Principal at Coffey responsible for providing technical leadership on major projects and mentoring of staff.

Speaker 3:

Dr. Jim Shunqin Luo obtained his Bachelor and Master Degrees in Mining Engineering in 1984 and 1987 respectively. In 1990, he studied in University of Sydney as a scholar and later did research works at CSIRO and University of Western Australia. He was awarded a PhD degree in Geotechnical Engineering in 2002 by the National University of Singapore.

Jim has more than 25 year experience in geotechnical engineering. He has been involved in numerous projects in complex geotechnical conditions in Australia, Singapore, Malaysia, Indonesia, Papua New Guinea and Africa. He specializes in numerical modelling, ground improvement, slope stabilization, tunnelling and deep foundations and has published many papers in international conferences and journals. During his career, Jim has more than 15 years project and corporate management. As the executive director, he had been running a leading specialist contractor in Singapore for many years and has first-hand experience in Reducing CAPEX by Managing Geotechnical Risk on Projects.

Currently Jim is a principal geotechnical engineer of Knight Piesold Pty Ltd based in Perth.

Speaker 4:

Dr Bruce Brown obtained his undergraduate and doctorate degrees from the University of Sydney. He worked for 25 years as a consultant in the field of mine waste management and was responsible for the planning, design, construction and operation of a number of major tailings and waste management facilities for mining industry worldwide. For the last 9 years he has been Chief Adviser, Tailings and Dams for Rio Tinto. In this role, he leads a team of specialists in the field of mineral waste management. A major focus is on management of risks associated with tailings. This risk is recognised as one of the major corporate risks for Rio Tinto.

Speaker 5:

Dr Burt Look is a Principal Geotechnical Engineer at SKM (Brisbane). He has more than 30 years professional Engineering experience with 27 years specialising in Geotechnics. He has been Brisbane based for the past 24 years.

Burt is the past Chairman of the Queensland Chapter of the Australian Geomechanics Society and was also Chairman of the Organising Committee for the 10th Australia – New Zealand Conference in Geomechanics, held in Brisbane in 2007.

He has postgraduate qualifications in soil mechanics and engineering seismology from Imperial College. He has published widely within Australia and internationally – with over 40 technical papers and 2 books.

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