



AUSTRALIAN GEOMECHANICS SOCIETY

VICTORIA CHAPTER

Evening Technical Meeting:

Foundation design in (dune) sand

Speaker: Prof. Barry Lehane FIEAust CPEng

This lecture will present some findings from the speaker's experience of foundation research and design in dune sand. The lecture will include discussion of:

- Bored piles under lateral load
- Movements behind cantilevered embedded retaining walls
- Active and passive limits
- Skin friction and end bearing for bored piles
- Pile capacity changes with time
- Settlement of footings
- Seasonal effects
- Creep

Recently developed design formulae, for each of the aspects listed above, will be presented and their basis explained. Comparisons with case history data, in other sands, will be used to provide support for the proposed formulations.

About the Speaker:

Barry has 27 years experience as a practitioner and academic in geotechnical engineering. He graduated from University College Cork, in 1984 and worked for Arup Geotechnics in London, for 4 years, before undertaking a PhD at Imperial College, London. After his PhD, he rejoined Arup for several years, before returning to Ireland, in 1994, to take up a lecturing position at Trinity College Dublin. In 2002 he moved to UWA, and is now a Professor of Geotechnical Engineering and Deputy Head of the School of Civil Engineering. Barry has published about 200 technical papers in international journals and conferences, and is the Technical and Research leader for Geotechnics conducted by Arup Australasia.

Wednesday 15th September 2011

Time: Commencing at 6:00 pm (with refreshments at 5.30pm) and finishing at 7:30 pm

Where: Engineers Australia Vic Division Building, 21 Bedford St, North Melbourne

Cost: Free, refreshments provided

Registrations: <http://www.engineersaustralia.org.au/divisions/victoria-division/events/event.cfm>

PLEASE VISIT OUR NEW WEBSITE:

<http://www.australiangeomechanics.org/>

Attendance at this seminar contributes towards the EA's requirements for Continuing Professional Development

Contact: Event Organiser: Nick Ramsey Ph. 8668 3191 Secretary AGS: Jeremy Barber Ph: 8687 8768
