



# The Institution of Engineers, Malaysia

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## Evening Talk on Design & Construction of Auger Cast Piling

Organised by the:

Geotechnical Engineering Technical Division, IEM

BEM Approved CPD/PDP Hours: 2 Ref No: IEM16/HQ/ IEM16/HQ/458/T

Day/Date : **23 November 2016, Wednesday**  
Time : **5.30 pm – 7.00 pm** (Refreshment will be served at 4.30pm)  
Venue : **Tan Sri Ir. Prof. Chin Fung Kee Auditorium,**  
**3rd Floor, Wisma IEM, PJ**  
Presenter : **Dr Serhat Baycan**

### SYNOPSIS

A major portion of the substructure project success, involves effective ground risk management whilst ensuring the structural requirements are met and geotechnical conditions have been efficiently addressed. The suitability of a particular design, construction method and job site implementation are key success factors in any piling project to meet technical, time and budget constraints. The advances in Piling engineering has evolved out of a combination of increased understanding of pile performance, monitoring and verification testing as well as rapid innovations in plant and equipment. The ever increasing demand for load performance, reliability in quality, safer piling in urban areas, has allowed the specialist industry to adopt innovative approaches. This lecture mainly deals with one of those piling techniques, namely Auger cast piling from the Australian perspective. Auger cast piling is a widely used piling construction method in Europe, Australia and USA. The method involves drilling with a hollow stem auger to required depth and forming the pile upon concreting during extraction. In this presentation, various aspects of Auger cast pile construction will be covered and include design, technical, plant, construction, quality and site control systems. Case studies will also be presented, with time for questions and discussion.

### PROFILE OF SPEAKER



**Dr Serhat Baycan** is a leading geotechnical and piling specialist with over 20 years of experience in geotechnical research, consulting and contracting. He is currently the Head of Heavy Foundations - Keller Malaysia, based in Kuala Lumpur. He was previously managing director of a Keller company in Australia - Vibropile Australia Pty Ltd with technical and operational performance responsibility where he spent 15 years. During his career, he has also worked on global projects with engineering consultants with Maunsell (Aecom), Coffey Geosciences and Haskoning Group UK. He has particular expertise in deep foundations with Augercast, bored and driven piling applications and has a passion for efficient ground engineering solutions. He is a certified practicing engineer (CPEng) with the Institution of Engineers Australia (IEAust) and a member of the Australian Geomechanics Society, obtaining his PhD from Monash University in Australia in 1997.

*Ir. Yee Thien Seng*

Chairman, Geotechnical Engineering Technical Division, IEM

### ANNOUNCEMENTS TO NOTE

- Preferential admission to talk shall be accorded to IEM members (**pre-registration and online registration are NOT required.** **Telephone and/or fax reservation will NOT be entertained.**)
- **Non-members** may also attend the talk but will need to pay a registration fee of **RM 50** and an administrative fee of **RM 15**. GST is inclusive.
- For members of affiliated organisations, there will be no registration fee payable. However, they are requested to produce their membership card as proof of membership. For the list of affiliated organisations, please refer to IEM website at [www.myiem.org.my](http://www.myiem.org.my) under International / MoU.
- Limited seats are available on a "first come first served" basis (maximum 100 participants).
- IEM members are required to produce membership cards for confirmation of attendance (CPD purpose).
- Latecomers will not be allowed to enter if the lecture hall is full nor be entitled to CPD.
- **IEM members who fail to produce their membership cards will be charged a fee of RM 25. GST is inclusive.**

### ADMINISTRATIVE FEE

- Kindly be informed that an administrative fee of RM 15 is payable for talks organized by IEM.
- The fee would be used to cover overhead costs, building maintenance expenses as well as to contribute to Wisma IEM Building Fund.
- All contributions will be deeply appreciated by IEM.
- Student Members are however exempted.

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