



# The Institution of Engineers, Malaysia

Bangunan Ingenieur, Lots 60/62, Jalan 52/4, Peti Surat 223, 46720 Petaling Jaya, Selangor Darul Ehsan  
Tel: 03-79684001/2 Fax: 03-79577678 E-mail: sec@iem.org.my IEM Homepage: <http://www.myiem.org.my>

## Technical Talk on Ground Improvement Techniques for Reclamation

Organised by the Geotechnical Engineering Technical Division, IEM

Speaker: Ir. Lee Kai Ming

BEM Approved CPD/PDP Hours: 2 Ref No: IEM16/HQ/115/T

Date/Day: Friday, 22<sup>nd</sup> April 2016 Time: 5.30 pm – 7.30 pm

Venue: Tan Sri Ir. Prof. Chin Fung Kee Auditorium, 3<sup>rd</sup> Floor, Wisma IEM, Petaling Jaya, Selangor

### SYNOPSIS

Reclamation has become more common in this country recently especially near the Southern region of Malaysia. Unfortunately most of the reclamation has to deal with very soft soil near to the coastal region. This talk will provide a general introduction of the common ground improvement methods used in this country.

The talk will cover reclamation methods commonly used in Malaysia including using TSHD and pelican/conveyor barge. The talk will also cover general ground improvement methods suitable for different soil condition including PVD, sand compaction pile, vibro floatation etc. Besides, limitation of each ground improvement method will also be discussed.

### PROFILE OF SPEAKER

**Ir. Lee Kai Ming** is a practising geotechnical engineer, graduating in civil engineering from Liverpool University (UK) and later obtaining a master's degree in business administration from University of Sunshine Coast, Australia. Since graduated in 2001, he first joined Arup Jururunding Sdn Bhd as a geotechnical engineer between year 2001 and 2003. He later joined specialist contractors including Bauer (M) Sdn Bhd and also Keller (M) Sdn Bhd between year 2003 and 2010. During his years with specialist contractor he was involved in many large scale foundation and ground improvement works including Mid Valley Megamall (Phase 2), One KLCC, and IPB Double Track etc. He later joined Dialog E&C and was assigned as project engineer for the reclamation works for Independent Deepwater Terminal in Pengerang, Johor. During his time with Dialog, he was also involved in review and tank foundation design for various projects including Tg. Langsat Terminal and also for the Pengerang Terminal.

Ir. Lee Kai Ming is currently the director for GCU Consultants (Johor) Sdn Bhd and in charge of the full operation of the Johor branch. The recent jobs he has involved in Johor include Pengerang Terminal (Phase 2), Forest City Reclamation (S1 & S2) and also geotechnical assessment for RAPID.

*Ir. Yee Thien Seng*

Chairman, Geotechnical Engineering Technical Division, IEM

### ANNOUNCEMENTS TO NOTE

1. 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.
2. **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.
3. 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.
4. Limited seats are available on a "first come first served" basis (maximum 100 participants).
5. IEM members are required to produce membership cards for confirmation of attendance (CPD purpose).
6. Latecomers will not be allowed to enter if the lecture hall is full nor be entitled to CPD.
7. **IEM members who fail to produce their membership cards will be charged a fee of RM 25. GST is inclusive.**

### ADMINISTRATIVE FEE

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

### PERSONAL DATA PROTECTION ACT

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### CPD/PDP HOURS CONFIRMATION

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