

Evening Talk on Comparison of Malaysian Practice (BS) Versus EC7 on the Design of Driven Pile and Bored Pile Foundations under Axial Compression Load

(Organised by the Geotechnical Engineering Technical Division, IEM)

BEM Approved CPD/PDP Hours: 2.0 Ref No: IEM17/HQ/025/T

Day/Date : **Tuesday, 14th March 2017**
 Time : **5.30 pm – 7.30 pm**
 Venue : **Tan Sri Ir. Prof. Chin Fung Kee Auditorium, 3rd Floor, Wisma IEM, PJ**
 Presenter : **Ir. SHAFINA BINTI SABARUDDIN**

SYNOPSIS

Since the implementation of the revised Malaysian Uniform Building By Laws (UBBL) in 2012, two (2) States in Malaysia have gazetted the used of Malaysian Standards on Eurocode (MS EN 1997-1:2012) in replacement of British Standards (BS). Hence, the comparisons of the current Malaysian practice (i.e. with reference to BS) with EC7 methodologies, for pile foundation under axial compression load are presented.

This presentation based on commonly used design methodologies for driven pile and bored pile foundations in Malaysia. In Malaysia, empirical equations to estimate ultimate shaft resistance (f_{su}) and ultimate base resistance (f_{bu}) of piles are commonly correlated to Standard Penetration Tests (SPT) 'N' values as they are extensively carried out during subsurface investigation (SI) works. Particular attention is made on the incorporation of partial safety factors published in the Malaysian National Annex (MY NA) in 2012.

Case studies are also presented on the application of EC7 in Malaysian practices for foundation design, to showcase the expected impact of such newly introduced design codes in the Malaysian context.

PROFILE OF SPEAKER



Ir. Shafina Sabaruddin, is a Senior Partner at G&P Professionals Sdn. Bhd., one stop engineering centre offering experts and specialised consultancy in Malaysia and international construction industry. She has over 14 years of experience in the field of Geotechnical Engineering. Her vast experience includes soil investigation, geotechnical designs, failure investigations and remedial proposals.

In her over 14 years of experience, Ir. Shafina has been actively involved in numerous projects related to rail transit systems, highways and embankments, foundation for high rise and also low rise. She also published technical papers and lectures and provides training to local authorities on geotechnical works in local and international seminars and conferences.

Ir. Yee Thien Seng
 Chairman, Geotechnical Engineering Technical Division, IEM

ANNOUNCEMENTS TO NOTE

- **Non-IEM members** may also attend the talk but will need to pay a registration fee of **RM50** and an administrative fee of **RM15**. GST is inclusive.
- Limited seats are available on a "first come first served" basis (maximum 100 participants). **To secure your seat, kindly register online at www.myiem.org.my.**

ADMINISTRATIVE FEE

- Kindly be informed that an administrative fee of **RM15** is payable for talks organized by IEM. GST is inclusive.
- IEM Student Members are however exempted.

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