

TECHNICAL TALK ON APPLICATION OF GEOPHYSICAL SURVEYS IN ENGINEERING-GEOLOGIC INVESTIGATIONS

(Organised by Geotechnical Engineering Technical Division, IEM)

BEM Approved CPD/PDP Hours: 2.0 Ref No: IEM18/HQ/149/T

Day/Date : 26 April 2018 (Thursday)
Time : 5:30 pm – 7:30 pm
Venue : Tan Sri Ir. Prof. Chin Fung Kee Auditorium, Wisma IEM, PJ
Presenter : Mr. Woo Chaw Hong

Abstract:

Geophysical surveys are non-destructive methods to investigation the underground soil structures. Common geophysical surveys for civil engineering purposes are electrical resistivity tomography (ERT), microgravity, magnetic and seismic survey. This presentation will elaborate the applications, limitations and principles of geophysical surveys with particular reference to mapping of sub-surface bedrock, karst features, detection of buried pipelines or man-made structures, slope stability studies, etc. Case histories will be presented to show geophysical surveys are cost effective and can be conducted within a shorter time frame, as compared to geotechnical surveys. It can also provide sub-surface information in 2D or 3D dimension, which can be used for engineering design and planning. Interpretation of geophysical data often required input from borehole drilling results to ascertain sub-surface soil properties. For more convincing results of engineering-geologic investigations, integration of more than one geophysical survey methods is most desirable

Profile of Speaker:

Mr Woo Chaw Hong graduated from University of Malaya in 1994 with degree in Applied Geology. He has over 24 years of experiences in Engineering Geologic investigations. Mr Woo worked as a Geophysicist at Racal Survey (M) Sdn Bhd in 1994 and currently is Director in Petroseis Sdn Bhd. and Netseis Resources Sdn. Bhd. Mr Woo also involved in 2D high resolution data acquisition, mineral Exploration and Groundwater Exploration.



ANNOUNCEMENTS TO NOTE

ADMINISTRATIVE FEE
(Effective 1st October 2017)

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Administrative Fee:

- a) Online : RM15
- b) Walk In : RM20

Non-Members

- (a) Registration Fee : RM50
- (b) Administrative Fee : RM20

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- 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.**
- Kindly be informed that an administrative fee of **RM20** is payable for talks organized by IEM. GST is inclusive.
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Ir. Lee Peir Tien
Chairman, Geotechnical Engineering Technical Division, IEM