



## EVENING TALK ON BEHAVIOUR AND STABILITY OF CUT SLOPES, WITH SPECIAL REFERENCE TO MALAYSIA

Organised by the Geotechnical Engineering Technical Division, IEM

BEM Approved CPD/PDP Hours: 2 Ref No: IEM17/HQ/184/T

Day/Date : **25<sup>th</sup> July 2017 (Tuesday)**  
Time : **5.30 pm – 7.30 pm** (Refreshment will be served at 4.30pm)  
Venue : **Tan Sri Ir. Prof. Chin Fung Kee Auditorium, 3rd Floor, Wisma IEM, PJ**  
Presenter : **Professor Dr Laurence Wesley**

### SYNOPSIS

This talk will look at the behaviour of cut highway slopes in residual soils, based on experience with cut slopes in Malaysia and Indonesia. This includes work on the Kuala Krai to Gua Musang highway and the Kuala Lumpur - Karak highway and a number of geothermal projects in Indonesia. These all involved very high cuts in residual soils. Comments will be made the roles of visual observation versus analytical methods for assessing the stability of slopes. The usefulness (or non-usefulness) of analytical methods will be addressed in some detail, and the theoretical manner in which rainfall can affect the stability of slopes will be illustrated.

### ABOUT THE PRESENTER



**Professor Dr. Laurence Wesley** has an M.E. from the Auckland University, and a PhD from Imperial College, obtained under the guidance of Professor A.W. Bishop.

His work experience as a geotechnical engineer covers eight years with the Indonesian Public Works Department, five years with the New Zealand Ministry of Works, and eleven years with the Auckland consulting company, Tonkin and Taylor. Following this he spent eighteen years as a senior lecturer at Auckland University. During his time with Tonkin and Taylor he was involved in a variety of projects in Indonesia and Malaysia. The latter included foundations of buildings in Kuala Lumpur, the Sungai Layang Dam in Johore Bahru, site development at Prai, (near Penang), and the highways from Kuala Lumpur to Karak and from Kuala Krai to Gua Musang.

His special research interest has been the properties of residual and volcanic soils. Other research interests include reinforced earth, landfills, groundwater and seepage. He has published many papers on residual soils, and his recent publications include the following two text books, both published by John Wiley and Sons, New York:

- I. *Fundamentals of Soil Mechanics for Sedimentary and Residual Soils* 2009,
- II. *Geotechnical Engineering in Residual Soils*, 2010.

This course is an abbreviated version of the material covered in the second book.

*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](http://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.

### PERSONAL DATA PROTECTION ACT

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### CPD/PDP HOURS CONFIRMATION

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