



# The Institution of Engineers, Malaysia Sarawak Branch

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**3 PDP**

(BEM Approved PDP Hours)  
Ref. No.: IEM15/PDP/015/W

## Half-Day Talk on “Route to Professional Engineer (PE) and the Application of Academic Research in the Industry”

*Co-organized with  
Graduate & Students (G&S) Section, Sarawak Branch  
and  
Postgraduate Research Society, Swinburne Sarawak*



Date **25 November 2015 (Wed)**  
Venue **A401, Swinburne University of Technology  
(Sarawak Campus)**  
Time **01.45 pm – 05.15 pm**

### Introduction

The half-day talk on “Route to Professional Engineer (PE) and the Application of Academic Research in the Industry” is to be held together with the Postgraduate Research Society (PGRS), Swinburne Sarawak. The main objective of the activity is to create more awareness on IEM and IEM G&S especially amongst the academic community. The activity also serves to clarify the route to PE especially for academics in the engineering discipline. In addition, it provides examples of how to obtain a PE in the academia. The talk also aims to share examples on how academic research can be applied in the local industry.

### Objectives

- To create awareness on IEM and IEM G&S amongst the academic community
- To update and advise on the current issues on regulations for obtaining the Professional Engineer’s status
- To discuss on the obtaining the Professional Engineer’s status in academia
- To discuss on the application of academic research in real world engineering

### Speakers

**Ir. Dr. Dominic Ong Ek Leong** obtained his Bachelor’s Degree from the University of Western Australia (UWA) in 1998 and his PhD in Geotechnical Engineering from the National University of Singapore (NUS) in 2004. Currently, he is an Acting Director at the Research Centre for Sustainable Technologies and a Senior Lecturer at the Faculty of Engineering, Science & Computing, Swinburne

University of Technology Sarawak Campus. He is also actively involved in geotechnical consultancy works within the local industry and previously in Singapore. Ir Dr Ong has particular interests in the fields of deep excavation, tunneling, soil-structure interaction, ground improvement, field instrumentation works and finite element modelling. He currently holds the position of Executive Committee Member of the Association of Consulting Engineers Malaysia (ACEM) Sarawak Branch, Vice Chairman of The Institution of Engineers Malaysia (Sarawak Branch) and is also a founding member of the Malaysian Geotechnical Society (MGS). He is also an Editorial Board Member of the UK's Institution of Civil Engineer (ICE) journal, Geotechnical Research.

**Associate Prof Ir. Dr Siti Noor Linda Bt. Hj. Taib** obtained her BSc in Civil Engineering from Case Western Reserve University in 1999 and PhD in Geotechnical Engineering from University of Manchester in 2005. She is currently the Deputy Dean (Postgraduate and Research) in the Faculty of Engineering Universiti Malaysia Sarawak. Since joining the university in 1999 as a tutor, she has been involved in various activities from holding teaching and supervising roles, at both undergraduate and postgraduate levels to performing consultancy works for the university. Her major research areas are on characterisation and stabilization of soft soils particularly peat and slope stability. To date, she has published more than 50 journals/proceedings and most recently was involved in developing CIDB's Guidelines for Construction on Peat and Organic Soil.

## **Tentative Program**

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| 1.45 pm – 2.00 pm | Registration  |
| 2.00 pm – 3.00 pm | Introduction to BEM and IEM<br><br>Route to PE<br><br><i>- By Ir. Dr. Dominic Ong</i>   |
| 3.00 pm – 3.15 pm | Q&A Session 1   |
| 3.15 pm – 4.00 pm | Obtaining PE in academia<br><br><i>- By Assoc. Prof. Ir. Dr. Siti Noor Linda</i>        |
| 4.00 pm – 4.15 pm | Q&A Session 2   |
| 4.15 pm – 5.00 pm | Application of academic research in the industry<br><br><i>- By Ir. Dr. Dominic Ong</i> |
| 5.00 pm – 5.15 pm | Q&A Session 3   |