



# The Institution of Engineers, Malaysia

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## Pre AGM Talk On “The Need for Strong University-Industry Collaboration towards Meeting the Washington Accord Expectation for Graduates Outcomes”

Organized by Engineering Education Technical Division, IEM  
BEM Approved CPD/PDP Hours: 2 Ref No: IEM16/HQ/298/T

Date : 06 August 2016 (Saturday)  
Time : 9.00 – 11.00 a.m (Refreshments will be served at 8.00am)  
Venue : Auditorium Wisma IEM  
Speaker: Prof. Dato' Ir. Dr. Abdul Wahab Mohammad

### SYNOPSIS

Under the Washington Accord requirement, the outcomes for engineering graduates have been clearly spelled out. Engineering graduates are expected to meet the twelve outcomes that cover everything from engineering knowledge, design, sustainable development, ethics, life-long learning, communications etc. Graduates also are expected to be able to handle complex problems involving wide-ranging or conflicting technical, engineering and other issues. The best ways to achieve these outcomes are through strong involvement from the industries at different levels of the curriculum and through different modes of delivery. This talk will present the overall framework for possible university-industry collaboration and provide several examples that have taken place at various universities all over the world.

### BIODATA OF SPEAKER



Abdul Wahab Mohammad is currently Professor in Membrane and Separation Technology at the Department of Chemical and Process Engineering, Universiti Kebangsaan Malaysia (UKM). He is also the Dean of the Faculty of Engineering and Built Environment, UKM and also a Fellow at the Research Centre for Sustainable Process Technology (CESPRO). He received his PhD from University of Wales Swansea in the area of nanofiltration membranes in year 1998, and MSChE from Purdue University, USA in year 1991. He obtained his BSChE from Lehigh University, USA in the year 1989. His research interest is on membranes science and applications, wastewater

treatment, water reuse and recycling, sustainable separation technology and engineering education. He is the co-editor of a new Elsevier journal, Journal of Water Process Engineering which was launched in 2014. He was the co-recipient of 2008 Prince Sultan International Water Prize for his work on nanofiltration membranes. Abdul Wahab is a registered Professional Engineer (PEng) in Malaysia and a Chartered Engineer (CEng) in United Kingdom. He is a Fellow of IChemE and was recently inducted as a Fellow of the Academy of Sciences Malaysia.

Ir. Prof Dr Vinesh Thiruchelvam  
Chairman,  
Engineering Education Technical Division, IEM

### ANNOUNCEMENTS TO NOTE:

- Preferential admission to talk shall be accorded to IEM members (pre-registration and online registration are NOT required).
- Nonmembers may also attend the talk but will need to pay a registration fee of RM50 and an administrative fee of RM15. GST is inclusive.
- Members of affiliated organizations upon producing their membership cards will be exempted from paying registration fee. Administrative fee is nevertheless applicable.
- Limited seats are available on a “first come first served” basis (maximum 100 participants).
- IEM members are reminded to produce membership cards for confirmation of attendance (CPD purpose) failing which a fee of RM25 will be imposed. GST inclusive.

### ADMINISTRATIVE FEE

- Kindly be informed that an administrative fee of RM15 is payable for talks organized by IEM. GST is inclusive.
- The fee would be used to cover overhead costs, building maintenance expenses as well as contribute to Wisma IEM Building Fund.
- All contributions will be deeply appreciated by IEM.
- Student Members are however exempted.

### PERSONAL DATA PROTECTION ACT

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### CPD HOURS CONFIRMATION

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Membership No: \_\_\_\_\_

Signature: \_\_\_\_\_