



## **The Institution of Engineers, Malaysia (Penang Branch)**

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**BEM Approved**  
**CPD/PDP Hours: 2.5**  
**Ref No: IEM16/HQ/352/T**

### **Technical Talk on “Globalization and Challenges faced by Future Graduates/Engineers”.**

**Date** : 19th October 2016 (Wednesday)  
**Time** : 10.00 am-12.30 pm  
**Venue** : Auditorium, USM Engineering Campus, Universiti Sains Malaysia,  
Seri Ampangan, 14300 Nibong Tebal, Pulau Pinang.

#### ***Introduction***

In this talk, various trends and changes facing the world now are discussed which include urbanization and inequality in wealth distribution, clean water, food distribution, energy, global warming and climate change, and security. All these require new ideas and inventions which will only be possible with excellent engineers. Educating good engineers is therefore the driver for the success of any nation. He will also talk about the challenges faced by Malaysian engineer vis-à-vis globalization and mobility of engineers in ASEAN, APEC and TPPA economies. The talk will also be touching on what skills young engineering graduates should acquire to face the challenges in the globalized era.

#### ***Biodata of Speaker***



**CV of Ir. Professor Academician Dato’ Dr. Chuah Hean Teik,  
Universiti Tunku Abdul Rahman, Malaysia**

Dr. Chuah Hean Teik graduated with a BEng (First Class Honours), MEngSc and PhD in electrical engineering, all from University of Malaya. From July 1988-April 1997, he was on the faculty of the Um Electrical Engineering Department. From March-Nov 1994, he was a Fulbright Scholar at

the Wave Scattering Research Centre, University of Texas at Arlington, USA. From May 1997 – Jan 2008, Dr Chuah was a Senior Professor at the Multimedia University, during which he held various posts as Vice President (R&D and Academic Development), Dean of Engineering, and Director of Research. Since April 2008, he has been appointed as President of Universiti Tunku Abdul Rahman (UTAR). His research interests include microwave remote sensing and applied electromagnetics. He has authored/co-authored more than 260 papers in international journals and conferences. Dr. Chuah has received many awards, locally and internationally. Among them include the Professor Chin Fung Kee Gold Medal for Engineering Management subject in 1986, the inaugural Young Engineer Award by the Institution of Engineers, Malaysia (IEM) in 1991; the 1990 Young Scientist Award at the 23<sup>rd</sup> General Assembly of the International Union of Radio Science (URSI) at Prague, Czechoslovakia; the 1993 Young Scientist Award at the 24<sup>th</sup> General Assembly of URSI at Kyoto, Japan; the 1995 Young Scientist Award (Industrial Sector) by the Malaysian Ministry of Science, Technology and the Environment; the 1999 Malaysian Toray Science Foundation Science and Technology Award; 2011 IET Malaysia Outstanding Achievement Award; and the 2014 Distinguished Engineer Award by IEM Penang Branch. He was awarded Honorary Doctor of Engineering by Multimedia University in August 2013. In 2016 he was awarded Professional Education and Cultural Medal by Taiwan Ministry of Education for his contributions in promoting education and engineering profession between the two economies.

Dr. Chuah was the President of the Federation of Engineering Institutions of Asia and the Pacific (FEIAP) from 2011-2015, and is currently the Chairman of FEIAP Standing Committee on Engineering Education. Dr. Chuah was the President of IEM (2009-2011). He is a Senior Fellow of the Academy of Sciences, Malaysia (ASM); Hon. Fellow of the ASEAN Federation of Engineering Organisations, IEM, and Myanmar Engineering Society; Fellow of the IET, UK; IEEE, USA; and the Electromagnetics Academy, USA. He is also a Professional Engineer in Malaysia, a Chartered Engineer registered with the Engineering Council, UK; an APEC, IntPEng and ASEAN Engineer. Dr. Chuah is a council member of ASM (2007-2011, 2014-2016), the Malaysian Qualifications Agency (2008-2012) and a member of the Engineering Accreditation Council of Malaysia (2000-2008, 2015/2016).

### **Program**

09.45 am	Arrival at Auditorium USM Engineering Campus & Registration
10.00 am	- Overview of eETD
	- Introduction by USM
	- Technical Talk on “Globalization and Challenges Faces by Future Graduates/Engineers”
12.10 pm	Question and Answers session
12.30 pm	Round-up/Photo Session

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# REGISTRATION FORM

## Technical Talk on “Globalization & Challenges Faces by Future Graduates/Engineers”

Date : 19th October 2016 (Wednesday)  
 Time : 9.45am – 12.30pm  
 Venue : Auditorium, USM Engineering Campus, Universiti Sains Malaysia,  
 Seri Ampangan, 14300 Nibong Tebal, Pulau Pinang.  
 Moderator : Ir. Bhuvendhraa Rudrusamy

Registration: on a *‘first-come-first-served’* basis.

Closing Date: **12th October 2016 (Wed)**

REGISTRATION FEES				
Student	Graduate	IEM Member	Non-IEM Member	Senior IEM Member
FOC	RM20	RM30	RM60	RM20

Payment Mode (please tick where applicable)

- Online bank-in to: AMBANK Acct#: 002-201-101022-6 (please e-mail/fax receipt to us with attendee (s) name on it)
- Crossed cheque in favour of: The Institution of Engineers, Malaysia
- Cash to: The IEM Penang Secretariat

Closing Date: payment should reach us latest by **12th October 2016 (Wed)**

We wish to register the following person(s) for this Technical Visit.

I/We understand that the fee is not refundable.

If I/we withdraw after my/our registration is accepted, substitution of participants will be allowed. If I/we fail to attend the event, the fee paid will not be refunded.

#	FULL NAME (s) in CAPITALS	NEW IC#	MOBILE#	IEM #	PE #	FEES (RM)
1						
2						

Name of Organisation:.....

Tel: (o) ..... Fax: ..... Email: .....

Contact Person: ..... Designation: .....

Signature: ..... Date: .....

*Note: IEM reserves the right to cancel the technical visit with full refund*