

**Chairman**  
**Engineering Education Technical Division**  
 c/o The Institution of Engineers, Malaysia  
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**REGISTRATION:**

Name(s)	IEM M'ship No. / Grade	Fees (RM)
	<b>SUB TOTAL</b>	
	<b>ADD GST @ 6%</b>	
	<b>TOTAL PAYABLE</b>	

Company: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

Mobile: \_\_\_\_\_ Tel(O): \_\_\_\_\_ Fax: \_\_\_\_\_

E-mail: \_\_\_\_\_

(Please write clearly as the "Confirmation Notification" will be sent via email)

Contact Person: \_\_\_\_\_ Designation: \_\_\_\_\_

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

**PAYMENT DETAILS**

Cash RM \_\_\_\_\_

Cheque no. \_\_\_\_\_ for the amount of RM \_\_\_\_\_  
 (non-refundable) and made payable to "" and crossed 'A/C Payee Only'.

**Terms & Conditions:**

- For ONLINE REGISTRATIONS, only ONLINE PAYMENT is applicable [via Credit Card]
- Payment via CASH / CHEQUE / BANK-IN TRANSMISSION / BANK DRAFT / MONEY ORDER / POSTAL ORDER / LO / WALK-IN will be considered as NORMAL REGISTRATION
- For online registrations, please note that **payment MUST be made on registration.**
- **FULL PAYMENT** must be settled before commencement of the course, otherwise participants will not be allowed to enter the hall. If a place is reserved and the intended participants fail to attend the course, the fee is to be settled in full. If the participant failed to attend the course, the fee paid is non refundable. Registration fee includes lecture notes, refreshment and lunches.
- The Organising Committee reserves the right to cancel, alter, or change the program due to unforeseen circumstances. Every effort will be made to inform the registered participants of any changes. In view of the limited places available, intending participants are advised to send their registrations as early as possible so as to avoid disappointment.

**CANCELLATION POLICY**

IEM reserves the right to postpone, reschedule, allocate or cancel the course. Full refund less 30% if cancellation is received in writing more than 7 days before start date of the event. No cancellation will be accepted prior to the date of the event. However, replacement or substitute may be made at any time with prior notification and substitute will be charged according to membership status.

**PERSONAL DATA PROTECTION ACT**

I have read and understood the IEM's Personal Data Protection Notice published on IEM's website at <http://www.myiem.org.my> and I agree to IEM's use and processing of my personal data as set out in the said notice.

**ONE-DAY WORKSHOP: GAP ANALYSIS OF THE  
 ENGINEERING ACCREDITATION  
 COUNCIL MANUAL 2017**

**Speaker:**

**Ir. DR. SITI HAWA HAMZAH & Ir. LIEW CHIA PAO**

<b>Date</b>	<b>:</b>	<b>03 April 2018 (Tuesday)</b>
<b>Time</b>	<b>:</b>	<b>9.00 a.m. – 5.00 p.m.</b>
<b>Venue</b>	<b>:</b>	<b>Auditorium Tan Sri Prof. Chin Fung Kee, 3<sup>rd</sup> Floor, Wisma IEM , Petaling Jaya, Selangor Darul Ehsan</b>

**BEM Approved CPD/PDP Hours: 6.0**  
**Ref. No.: IEM18/HQ/021/W**

**Organised by:**

**Engineering Education Technical Division (E2TD)**  
**The Institution of Engineers, Malaysia**

**REGISTRATION FEES (GST NOT INCLUDED)**

Grade	Online Fee	Normal Fee
Student Member	RM 150.00	RM 180.00
Graduate Member	RM 250.00	RM 300.00
Corporate Member	RM 400.00	RM 450.00
Non IEM Member	RM 800.00	RM 900.00

**6% GST IS IMPLEMENTED EFFECTIVE FROM 1<sup>ST</sup> APRIL 2015**

**\*Closing Date: 27 March 2018**

**WHO SHOULD ATTEND?**

Academicians, Engineering Educators, Academic Managers and all personnel who are involved in engineering education and engineering accreditation.

## SYNOPSIS

In this workshop, participants will understand the objectives of the changes introduced under the Engineering Accreditation Council (EAC) Accreditation Manual 2017 and learn how to address the gaps between the 2017 and 2012 accreditation manuals. Suggestions for implementation as well as tips and pitfalls to avoid will be shared by the facilitators who are team members responsible in reviewing, updating and drafted the EAC Manual 2017.

This workshop will give an overall view of EAC Manual 2017, highlighting the gaps to simplify the implementation in the participants' institutions of higher learning. In addition to the learning outcomes mentioned below, the workshops will discuss other issues such as the requirements of professional engineers or equivalent, calculation of staff to student ratio, course/credit exemption and credit transfer, among others.

### Learning outcomes:-

By the end of this workshop, participants will be able to:

1. map the courses of a programme to fulfil the requirements of programme outcomes and knowledge profile (i.e., WK1 to WK8) defined by the International Engineering Alliance (IEA)
2. design a course/courses that address Complex Problem Solving (WP) and Complex Engineering Activities (EA) defined by IEA
3. calculate the Student-learning Time (SLT) for different types of courses

## TENTATIVE PROGRAMME

08:30 - 09:00	Seminar Registration
09:00 - 09:15	Opening Remark
10:45 - 13:00	EAC Manual 2017
10:30 - 10:45	Morning Coffee/Tea Break
10:45 - 13:00	Programme Outcomes and Knowledge Profile
13.00 - 14.00	Lunch Break
14:00 - 15:30	Complex Problem Solving and Complex Engineering Activities
15:30 - 16:30	Participant Learning Time
16:30 - 17:00	Closing and Reflection

\*Participants are advised to bring along their course outline, samples of the past continuous assessments and past final examination questions.

## BIODATA OF SPEAKERS



Dr. Siti Hawa Hamzah (PhD, P.Eng PC, FIEM, Hon MAFEO ASEAN Engr, MRM, MPN, PSWM) obtained her BSCE, Cert. of Education, MSCE from USA and PhD from UKM. Currently, an Associate Director (Civil Engineering) Accreditation Department BEM, the IEA mentor to Bangladesh Board of Accreditation for Engineering and Technical Education into Washington Accord Full Signatory Membership, OBE Trainer (CEE UTM - MOHE Afghanistan World Bank Project), BEM Lead Accreditation Evaluator, P.Eng Principle Interviewer, and BEM T&E Committee Member. A retired Professor (Civil & Structural Engineering), Faculty of Civil Engineering, UiTM Shah Alam, Past Associate Director (Structural) EAD, Past Council Member IEM and Past Excomm IEM. Had over 33 years teaching and academic experience with 20 years experience managing engineering programmes; accreditation evaluator's experience in more than 100 programmes; completed 21 research projects; authored 11 books in structural engineering, published more than 165 technical papers, and accreditation videos on YouTube.

Appointed as external examiner to B. Eng Civil programmes at Monash University Malaysia, Universiti Malaysia Sarawak, INTI International University and Universiti Tun Hussein Onn Malaysia; EAC Advisor to Universiti Malaya and OBE Advisor to Universiti Industri Selangor; served as committees in DBP, SIRIM, CIDB for technical publications, and Editorial Advisory Board for journals and proceedings. A three times recipient of UiTM excellence service award, received more than 20 research accolades, IEM Women Engineer Award and Honorary Member to ASEAN Federation of Engineering Organisation.



Ir. Liew Chia Pao is a Principal Lecturer in the Faculty of Engineering, Tunku Abdul Rahman University College (TAR UC). Currently, an Associate Director (Electronic Engineering) of the Accreditation Department, BEM. He obtained his Diploma in Electronics from TAR UC and a Master of Science in Electronics from University of Hertfordshire, U.K., and passed the Engineering Council U.K. Examinations.

He was appointed by MOHE and BEM as evaluator to assess the engineering programmes in Spain in 2016. He had over 8 years teaching and academic experience, and managing engineering programmes; accreditation evaluator's experience in more than 50 programmes; and published accreditation videos on YouTube. He had over 11 years of industry experience, as an R&D Engineer and Project Manager in powerline communication with OCM-Web, a recipient of Industry R&D Grant Scheme, MOSTI, and as an Analyst in industrial and electronics sector with Frost & Sullivan. His research areas are complex problem solving in engineering and programme outcomes assessment.