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Name(s)	Grade & IEM M'ship No.	Fees (RM)
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Cheque no. \_\_\_\_\_ for the amount of RM \_\_\_\_\_ (non-refundable) and made payable to “**THE INSTITUTION OF ENGINEERS, MALAYSIA**”. I/We understand that the fee is not refundable if I/We withdraw after my/our application is accepted by the organizing committee as stated in the cancellation term. If I/We fail to attend the seminar the paid registration fee will not be refunded.

- For ONLINE REGISTRATIONS, only ONLINE PAYMENT is applicable [via RHB and Maybank2u –Personal Saving & Personal Current; Credit Card - Visa/Master].
- Payment via CASH / CHEQUE / BANK-IN TRANSMISSION / BANK DRAFT / MONEY ORDER / POSTAL ORDER / LO / WALK -IN will be considered as NORMAL 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. Fee paid is not refundable. Registration fee includes lecture notes, refreshment.
- The Organizing 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.

**PERSONAL DATA PROTECTION ACT**

I have read and understand 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.



## HALF DAY COURSE ON INCORPORATING CDIO™ (CONCEIVE-DESIGN- IMPLEMENT-OPERATE) FRAMEWORK THROUGH PROJECT BASED LEARNING (PBL)

**Speakers:**

Ir. Assoc. Prof. Dr. Satesh Namasivayam

Engr. Dr. Chong Chien Hwa, Grad. IEM

Date: 27 November 2015 (Friday) (**Rescheduled from 13 May 2015**)

Time: 9.00 am – 1.00 pm

Venue: C&S/TUS Lecture Room, 2<sup>nd</sup> Floor, Wisma IEM, PJOrganised by: Chemical Engineering Technical Division &  
Engineering Education Technical Division**BEM Approved CPD/ PDP hours: 3.5****Ref. No.: IEM15/HQ/076/C****GST will be implemented effective from 1 April 2015****REGISTRATION FEE (GST NOT INCLUDED)**

Grade	Normal (Offline)	Online
IEM Student Member	RM50	RM30
IEM Graduate Member	RM170	RM150
IEM Corporate Member	RM220	RM200
Non-IEM member	RM370	RM350

- Closing Date** : 24 November 2015
- Online registration** will **NOT** be allowed after the closing date.

**Important Note: IEM members are required to produce their IEM membership cards for CPD scanning at the start and**

## **SYNOPSIS**

Ready to engineer. So it is said. But what is engineer and how do you engineer? What are the barriers to engineer and what are the key factors necessary to educate engineer? How to think like an engineer? Incorporating CDIO™ framework through Project based learning (PBL) can be one of the solutions. The CDIO™ initiative has been developing as more collaborators from all over the globe are taking this initiative as a base for their educational institutions adopting what so-called the “active learning” policy which includes, but not limited to, a complete system of a well-designed syllabus covering the skills and characteristics of graduating engineers.

Throughout CDIO™ phases, the learning process has changed from passive-note taking to more active-project-based education. This half-day workshop is designed with three (3) objectives as follows

- Introduce participants to Conceive-Design-Implement-Operate initiative
- Integrate CDIO initiative in curriculum to address complex, value added engineering products, processes, systems in modern and team-based environment;
- Review the know-how of conceiving, designing, implementing and operating complex engineering systems of appropriate complexity.

## **BIODATA OF SPEAKERS**

### **Ir Assoc. Prof. Dr. Satesh Namasivayam**

Ir Assoc Prof Dr. Satesh Namasivayam BEng (1st Class Hons) PhD (London) FIMechE MIEM CEng PEng CIT (HRDF) is a Chartered and Professional Mechanical Engineer, Associate Professor of Mechanical Engineering and Deputy Dean from the School of Engineering at Taylor’s University, Malaysia.

Satesh has over a decade's worth of experience in the engineering education and professional consulting industry. He has held numerous leadership posts in academia over the years and is well versed in setting up engineering undergraduate programmes from its inception. His research interests cover the areas of engineering education, environment, health and safety (EHS), energy efficiency and green technology. He has also been involved in the drafting of the National Energy Efficiency Masterplan for Malaysia and the Malaysian Green Technology Roadmap (Building Sector), both projects initiated by the Malaysian Government. He is also well versed in planning and coordinating due diligence and process safety management audits.

Satesh is one of the youngest of over 40+ Fellows of the Institution of Mechanical Engineers (IMechE), United Kingdom (UK) and has won numerous international awards including the prestigious Frederic Barnes Waldron Award and the IMechE Young Member of the Year Award (Member Engagement) - both awarded to him from IMechE, UK. Satesh spends all of his free time with his wife and two sons and when able, his guitars and his car.

### **Engr. Dr. Chong Chien Hwa, Grad. IEM**

Engr Dr Chong is the Associate Dean (Learning and Quality) for the School of Engineering at Taylor’s University. He holds a PhD in Engineering, a Chartered Engineer of the Engineering Council, UK., Chartered Member of Institution of Chemical Engineers (IChemE), UK and Member of Institution of Engineering Technology (IET), UK. He is one of the CDIO™ leaders in Asia Region. His academic research interest is in the area of drying technology, energy, health and engineering education. He published more than 50 international journals, conferences papers, technical bulletin/proceedings and book chapters.

## **TENTATIVE PROGRAMME**

Time	Events
8.30 - 9.00a.m	Registration
9.00 -10.00am	Session 1: Overview – CDIO initiative
10.00 - 11.00am	Session 2: Integrating CDIO in curriculum design
11.00-11.30am	Refreshment Break
11.30 - 12.45pm	Session 3: CDIO Case study
12.45pm	Recap and review of CDIO approach
1.00	Session end

## **CANCELLATION POLICY**

IEM reserves the right to postpone, reschedule, alter, or cancel the program due to unforeseen circumstances. Every effort will be made to inform the registered participants of any changes. Full refund less 30% will be refunded 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.

### **For further details please contact:**

#### **Chemical Engineering Technical Division**

c/o The Institution of Engineers, Malaysia

Bangunan Ingenieur, Lots 60/ 62, Jalan 52/ 4, P.O. Box 223 (Jalan Sultan) ,  
46720 Petaling Jaya, Selangor.

**Tel.:** 603 – 7968 4026 **Fax:** 603 – 7957 7678

Website: [www.myiem.org.my](http://www.myiem.org.my)