



# THE INSTITUTION OF ENGINEERS, MALAYSIA

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## CESIG AGM Talk on: "ICT & BIM for Future Building Services Industry" Organized by the Consulting Engineering Special Interest Group, IEM

**Date** : 3 May 2013 (Saturday)  
**Time** : 9.00 am to 11.00 am (Refreshment will be served at 8.30 am)  
**Venue** : Tan Sri Prof. Chin Fung Kee Auditorium, 3rd Floor Wisma IEM, Petaling Jaya  
**Speaker** : Ir. Dr. Tan Chee Fai

**BEM Approved**  
**CPD/PDP Hours: 2**  
**Ref No:**  
**IEM14/HQ/131/T**

### SYNOPSIS

In the middle of today's severe competition in the market, designing a product that appeals better to customers' appetite is both significant and compelling. One convincing way that manufacturers come up with as a response to this unavoidable market trend is to achieve user-centeredness by designing products that are well-fitted, comfortable, and easy-to-use. To support this, considerable efforts in the field have been brought into the modelling of a digital engineering model, which can be utilized in CAD/CAM/CAE system for the integrated design and analysis of a product with the engineer. Currently, **Building Information Modelling (BIM)** elsewhere and in Malaysia is one of the emerging technologies to be deployed in the planning, design, construction, and facility management. The important features of BIM are that it provides an object-oriented database that is made up of intelligent objects, the 3D representation of integrated information, and a relational database that is interconnected. The deployment of computer-based technology in construction, particularly BIM, can make the industry more efficient, effective, flexible, and innovative while **improving the national productivity**. This talk will present the state-of-the-art of CAD/CAM/CAE technology and their useful applications for engineer in the BIM implementation.

### BIODATA OF SPEAKER



Ir. Dr. Tan Chee Fai graduated with Bachelor of Engineering (Mechanical) (2000) and M. Sc. (Manufacturing Systems Engineering) (2002) from Universiti Putra Malaysia (UPM), as well as PhD in Industrial Design Engineering (2010) from Eindhoven University of Technology (TU/e), the Netherlands. He is a registered Professional Engineer (Mechanical) with Board of Engineers, Malaysia (2006) and a member of Institution of Engineers, Malaysia (2005). Currently, he is a Senior Lecturer at Department of Design & Innovation, Faculty of Mechanical Engineering, Universiti Teknikal Malaysia Melaka (UTeM). He is actively involved in teaching and learning, publication, consultation as well as research, design and development activities. His field of expertise covers the aspects of mechanical engineering, industrial design engineering, artificial intelligence, transportation engineering, industrial automation and human-technology interaction design. He has led numerous university and Ministry of Education funded projects as well as international funded projects. He is a member of Integrated Design Research Group (IDeA), Centre of Advanced Research on Energy (CARE) at UTeM. He has more than 100 publications in international and local journals and conference proceedings related to mechanical engineering. He is a Professional Engineer registered with Malaysia Road Transport Department (JPJ). He has been actively involved in The Institution of Engineers, Malaysia since 1998, and served as member of various committees such as Committee Member, Council Member, Hon. Sec./Treasurer of Mechanical Engineering Technical Division and is currently Vice Chairman of IEM Melaka Branch.

### Ir. Yim Hon Wa

Chairman  
Consulting Engineering Special Interest Group, IEM

#### Announcement to note:

1. Talk is **STRICTLY** for IEM members only (walk in)
2. **No telephone and/or fax reservation will be entertained**
3. **Limited seats available on a "first come first served" basis (maximum 110 participants)**
4. **Latecomers will not be allowed entrance, if the lecture hall is full**
5. **CPD will only be given for flyers submitted before 9.30 am**
6. **Please bring along this flyer and membership card for confirmation of attendance (CPD purpose)**
7. **For IEM members, membership cards MUST be presented for identification purpose.**
8. **Members who fail to show their membership card will be charged a fee of RM20.00.**

#### FUNDS FOR IEM BUILDING FUND (WISMA IEM)

Kindly be informed that IEM will be charging participants RM10.00 administrative fee for talks organized by IEM. The fee would be used for overhead costs, building maintenance expenses as well as to support the purchase of the new building. All contributions will be deeply appreciated by IEM. Students are however exempted. Your understanding is greatly appreciated.

#### CPD HOURS CONFIRMATION

Name:

Membership number:

Date:

Signature

