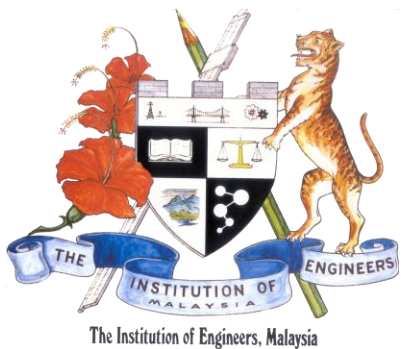


# THE INSTITUTION OF ENGINEERS, MALAYSIA

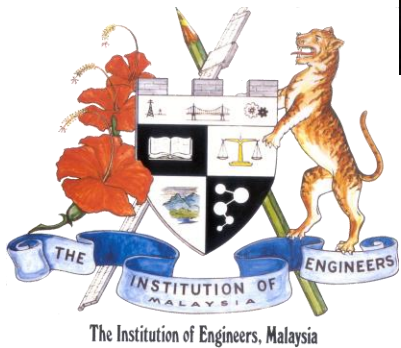
## YOUNG ENGINEERS SECTION

### Young ASEAN Federation of Engineering Organizations (YEAFO 24)

Palawan, Philippines  
November 21-24, 2016

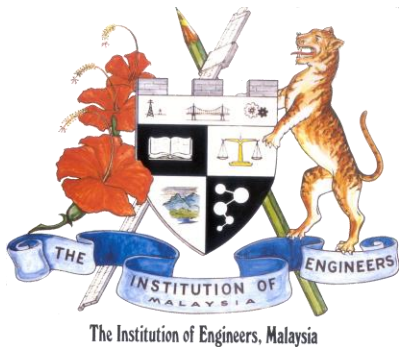


# Our Team



# Our Branch

# MALAYSIA



# Special Activities - Engineer's Run



KL



Southern



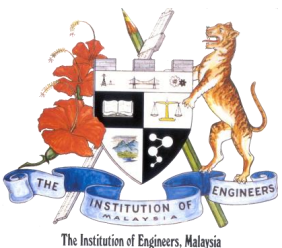
Penang



Sarawak



Sabah



# Special Activities - IEM YES Disaster Relief



# Graduate Affairs Portfolio



Technical Visit



Workshop




YES Annual Dinner




Membership Drive

# Professional Development Portfolio



**The Institution of Engineers, Malaysia**  
Bangunan Ingenieur, Lots 60/62, Jalan 52/4, Peti Surat 223, 46720 Petaling Jaya, Selangor Darul Ehsan  
Tel: 03-79684001/2 Fax: 03-79577678 E-mail: sec@iem.org.my Website: http://www.iem.org.my



**Talk on**  
**"Introduction to the EnergyPlus Building Simulation Software"**  
Organised by the Young Engineers Section (YES), IEM

Date : **30<sup>th</sup> August 2014 Postponed to 26<sup>th</sup> August 2014, Tuesday**  
Time : **5.30 pm – 7.30 pm (Refreshment will be served at 5.00 pm)**  
Venue : **TUS & C&S Lecture Room, 2<sup>nd</sup> Floor, Wisma IEM, PJ**  
Speaker : **Ir. Dr. Ooi Koon Beng**

BEM Approved CPD/PDP Hours: **2**  
Ref No: **LEM14/HQ/271/T**

**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.

**Announcements to note:**

- Talk is for IEM members only (pre-registration and online registration are NOT required) (telephone and/or fax reservation will NOT be entertained).
- Non-members may also attend the talk and will be charged a registration fee of RM50 and an administrative fee of RM10.
- For affiliate members, there will be no registration fee. However, they are requested to produce their membership card as proof of membership. For the list of affiliates, refer to [www.iem.org.my/content/memorandum\\_of\\_understanding-509.htm](http://www.iem.org.my/content/memorandum_of_understanding-509.htm)
- Limited seats available on a "first come first served" basis (maximum 110 participants).
- Latecomers will not be allowed to enter if the lecture hall is full.
- IEM members are required to produce your membership cards for confirmation of attendance.
- IEM members who fail to produce their membership cards will be charged a fee of RM20.00.

**SYNOPSIS**  
EnergyPlus® is the U.S. DOE building energy simulation program for modeling building heating, cooling, lighting, ventilating, and other energy flows. It builds on the most popular features and capabilities of BLAST and DOE-2 along with new capabilities such as time steps of less than an hour, modular systems and plant integrated with heat balance-based zone, simulation, multizone air flow, thermal comfort, and photovoltaic systems. The EnergyPlus simulation engine simulates for the dynamic heat transfer through a building envelop. EnergyPlus can also model and simulate the Heating, Ventilation and Airconditioning (HVAC) systems for indoor comfort (temperature, humidity, wind speeds, mean radiant temperatures) and air quality (ventilation and carbon dioxide concentration). Besides it can also simulate the effects of Daylighting, Green roofs, Phase Change materials and other latest energy saving features.

*"No experience with EnergyPlus is necessary, but more advanced users have the flexibility to export IDF input files and edit these to model a very wide range of HVAC system types."*  
EnergyPlus is downloadable free for academics and private personal use from the primary website [www.energyplus.gov](http://www.energyplus.gov).

**OBJECTIVES**  
To introduce designers and engineers to the EnergyPlus Building Simulation Software

**Outline**

- Background and History of the EnergyPlus Building Simulation Program
- Recognition of EnergyPlus for Energy Modelling and simulation
- Capabilities and limitations of EnergyPlus.
- What will be taught at the 2-day course (2<sup>nd</sup> & 3<sup>rd</sup> February 2015)

**BIOGRAPHY OF SPEAKER**  
Ir. Dr. Ooi Koon Beng obtained his PhD in Low Energy Buildings from University Malaysia Sarawak (UNIMAS) in October 2012. As an EnergyPlus consultant (since 2006), Ooi was employed as a Research Assistant in an Australian Research Council project at Melbourne University and found the heating and cooling loads and air flow rates for the proposed University of Ballarat Technical Education Center, a 6000-square meter, double-storey educational building in 2009. He has also passed two examinations needed to rate the performance of commercial buildings in Australia: (i) the National Australian Built Environment Rating Scheme (NABERS) examination of the Australian Department of Climate Change and (ii) the Green Star Professional examination of the Green Building Council of Australia (GBCA). He also qualified to rate residential buildings in Australia by passing the FirstRate® House Energy Rating software examination. He was a lecturer at Swinburne University of Technology in Sarawak, Malaysia (2003-2007) and two of Singapore's new polytechnics (1987-2002). He obtained his Bachelor of Engineering (Mechanical) Second Class Honours (Upper Division) from University Malaysia, in 1968. He worked at Malayawata Steel Berhad, the largest steel manufacturer in South East Asia till 1986. He gained Professional Engineer (PE) registration with the Board of Engineers in 1974. He has written 8 Journals or International conference papers on Energy Efficient buildings since 2007.

**Engr. Vivekasugha Alif Bin Gunaanal (Grad, IEM)**  
Chairman  
Young Engineers Section, IEM

**CPD/PDP HOURS CONFIRMATION**

Name : \_\_\_\_\_

M'ship No. : \_\_\_\_\_

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

Chairman  
Young Engineers Section  
c/o The Institution of Engineers, Malaysia (Southern Branch)  
24-B, Jalan Abiad, Taman Tebrau Jaya, 80400 Johor Bahru, Johor.  
Tel No: 07-3319 705 Fax : 07-3319 710  
Email: [iem.southern@gmail.com](mailto:iem.southern@gmail.com) Website: [www.iem.org.my](http://www.iem.org.my)

**CLOSING DATE:**  
**2 JAN 2014**

**CIDB Course**  
**CONTRACT MANAGEMENT AND CLAIMS PROCEDURE IN CONSTRUCTION PROJECT**

**REGISTRATION FORM**

No	Name (s)	M'ship No	Grade	Fees (RM)
Total				
Payable				

Enclosed herewith a cheque (No. : \_\_\_\_\_) for the sum of RM \_\_\_\_\_ issued in favour of "The Institution of Engineers, Malaysia (Southern Branch)" and crossed "A/C Payee Only". I/We understand that the fee is not refundable if I/we withdraw after my/our registration is accepted by the Committee but substitution of participants will be allowed. If I/we fail to attend the course, the fee paid would not be refunded.

Contact Person: \_\_\_\_\_  
Designation: \_\_\_\_\_  
Name of Organisation: \_\_\_\_\_  
Address: \_\_\_\_\_  
Tel (O) : \_\_\_\_\_ Tel (HP) : \_\_\_\_\_  
Fax No. : \_\_\_\_\_ E-mail : \_\_\_\_\_

\_\_\_\_\_  
Signature & Stamp

\_\_\_\_\_  
Date  
(Photocopies are acceptable)



BEM Approved  
CPD/PDP Hours: 13  
Ref No: IEM14/SB/413/C

CIDB Approved  
CCD Points: 20  
Ref. No: CIDB/H/C/2014/0175

**CIDB Course**  
**CONTRACT MANAGEMENT AND CLAIMS PROCEDURE IN CONSTRUCTION PROJECT**

Organised by  
Young Engineers Section (YES), IEM Southern Branch

Date : 10 & 11 January 2015 (Saturday & Sunday)  
Time : 8.30 am - 5.00 pm  
Venue : Seminar Room, New York Hotel, Johor Bahru  
Speakers : Prof. Madya Sr. Dr. Zakaria Mohd Yusof  
                  Sr. Norazam B. Othman

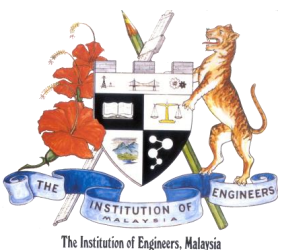
**Registration Fee:**

Grade	Rate
IEM Student Member	RM 250.00
IEM Graduate Member	RM 400.00
IEM Corporate Member	RM 550.00
Non IEM Member	RM 650.00
CIDB Contractor	RM 450.00

Closing Date: **2<sup>nd</sup> January 2015**  
All payment made **before 6<sup>th</sup> January 2015** will enjoy a RM50 discount.



THE INSTITUTION OF ENGINEERS, MALAYSIA



The Institution of Engineers, Malaysia

## Technical Talk

## Course & Seminar



# Student Affair Portfolio



National Summit



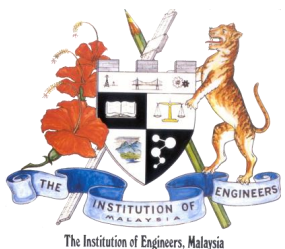
IEM Sharing Session



Inter-Uni Sport Game

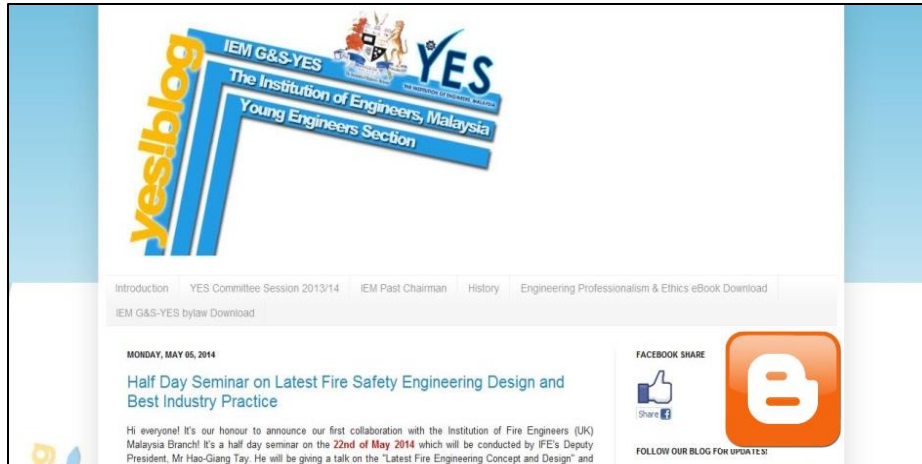


Career Talk

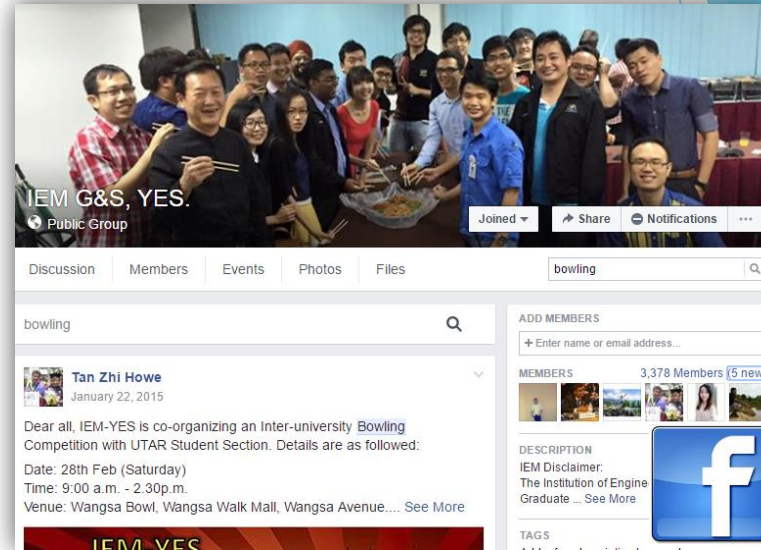




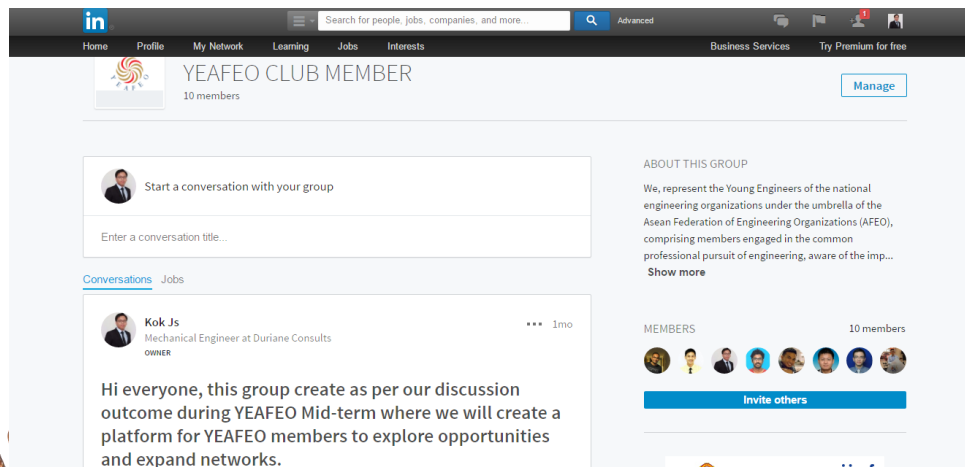
# Publicity Portfolio



IEM G&S YES Blogs



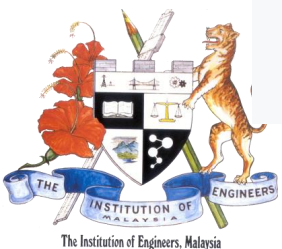
IEM G&S YES Facebook



LinkedIn YEA FEO Club Member



IEM G&S YES Annual Magazine



# Social & Community Portfolio



Vist to Agathians Shelter



Board Game with Young Professionals



Mountain Climbing



Open House

# External Affair Portfolio



Young Engineers of ASEAN Federation of Engineering Organization (YEAFEO)



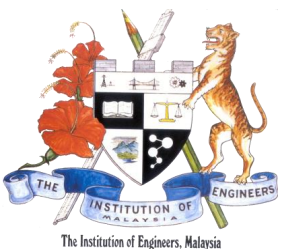
IEM IES Visit @ Singapore



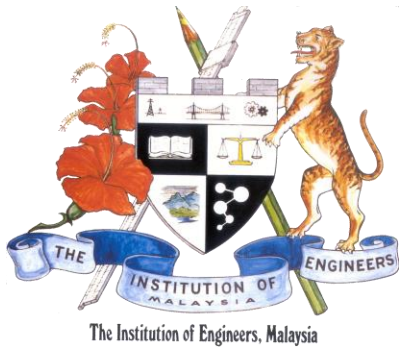
IEM Branch Annual Dinner



Young Professionals Gathering



Thank You



  
**YES**  
POSITIONING FOR LEADERSHIP