

Chairman  
 Young Engineers Section  
 c/o The Institution of Engineers, Malaysia  
 P O Box 223 (Jalan Sultan), 46720 Petaling Jaya  
 Tel No: 03-7968 4001/02 Fax : 03-7957 7678

**CLOSING DATE:  
 19 MAY 2014**

Email: [aklanie@iem.org.my](mailto:aklanie@iem.org.my)  
 Website: [www.myiem.org.my](http://www.myiem.org.my)

**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"** 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 Organization:** .....

**Address:** .....

**Tel (O) :** .....

**Tel (HP) :** .....

**Fax No. :** .....

**E-mail:** .....

.....  
**Signature & Stamp**

.....  
**Date**

(Photocopies are acceptable)

**BEM Approved  
 CPD/PDP Hours: 3.5  
 Ref No: IEM14/HQ/130/S**



**Half Day Seminar on  
 Latest Fire Safety Engineering Design and  
 Best Industry Practice**

Jointly organised by  
 Young Engineers Section (YES), IEM  
 & Young Professional Networks (YPN), IFE (UK) Malaysia Branch

**Date** : 22 May 2014 (Thursday)

**Time** : 9.00 a.m. - 1.00 p.m.

**Venue** : Tan Sri Prof. Chin Fung Kee Auditorium, 3<sup>rd</sup> Floor, Wisma IEM,  
 Petaling Jaya

**Speaker:** Mr. Hao-giang Tay FIFireE, Deputy President,  
 The Institution of Fire Engineers (UK) Malaysia Branch

**Registration Fee:**

Grade	Online Registration	Normal Registration
IEM / IFE Student Member	RM 50.00	RM 80.00
IEM / IFE Graduate Member	RM 120.00	RM 150.00
IEM / IFE Corporate Member	RM 200.00	RM 230.00
Non - Member	RM 350.00	RM 380.00

**Closing Date: 19<sup>th</sup> May 2014**

Online registration and payment at [www.myiem.org.my](http://www.myiem.org.my) must be made **before 19<sup>th</sup> May 2014** or it will be reverted to normal rate. Registration via CASH / CHEQUE / BANK-IN TRANSMISSION / BANK DRAFT / MONEY ORDER / POSTAL ORDER / LO / WALK -IN will be considered as normal registration



## **SYNOPSIS**

### **Paper 1**

Latest Fire Engineering Concept and Design

(Including Underground Car Park Ventilation Concept and Design)

This paper talks about the latest fire engineering concept and design for built-environment covering fundamentals of fire science and fire behaviour; video of full scale investigation of room fire including the phenomenon of flash over; fire hazards and fire risks; fire safety engineering design considerations; International fire incident case studies; fire engineering fundamentals; understanding smoke behaviour and mitigation measures; highlight of BS7346:Part 7 - underground car park smoke ventilation design; practical approach and best industrial practice for fire detection and alarm system.

### **Paper 2**

Fire Detection and Alarm System Concept and Design

This paper will talk about incorporating fire safety engineering aspect into fire detection and alarm system; types of fire detection and fire alarm system; detection and alarm system design concept; fire detection in high air flow environment (data/server centre); types of audio alarm signals; most effective audio fire alarm signal; efficient mounting of audio alarm unit to achieved maximum delivering of audio alarm signal; coverage area of audio alarm signals; understanding of audio alarm signal as an acoustic sound energy; the impact of ambient noise on audibility of fire alarm signal; incorporating human behaviour in to mass evacuation design; performance-based design redefinition of RSET and ASET.

<b><u>Time</u></b>	<b><u>Tentative Programme</u></b>
0830	Registration
0900	Latest Fire Engineering Concept and Design (Including Underground Car Park Ventilation Concept and Design)
1030	Tea Break
1100	Fire Detection and Alarm System Concept and Design
1230	Q&A
1300	End of Seminar

### **SPEAKER**

Mr. Hao-giang Tay FIFireE

Deputy President

The Institution of Fire Engineers (UK) Malaysia Branch

Mr. H.G Tay is a qualified and experienced Fire Engineer. He is a graduate of Heriot-Watt University and a graduate of University of Edinburgh, Scotland with a Master of Science Degree in Fire Safety Engineering.

As the principal fire consultant of Fire Safety Engineering firm, he has vast knowledge and over 34 years of experience in fire engineering. His firm provides advice and consultancy service to corporate clients with a holistic approach to sustainable fire safety engineering and business continuity. He is also involved in performance-based fire safety design. His specialties lies in practical modern fire engineering concept and design in terms of fire risk assessment and management; fire protection engineering, life safety and mass evacuation design; mitigation of fire hazards and fire risks, emergency response planning and management.

Mr. HG Tay is the Deputy President of The Institution of Fire Engineers Malaysia Branch, Past International President and a member of the Board of Directors. He is an active member of LinkedIn professional network promoting the Institution as well as sharing fire safety engineering knowledge and experience with all fire professionals in the world.

Actively involved in Malaysian Standards development for more than two decades, his technical committee has developed series of performance-based National Standards for the Malaysian fire industry. He co-authored the technical reference book "Guide to Fire Protection in Malaysia" which is an explanatory guide to Malaysian Building Regulation. Guide to Fire Protection in Malaysia is now an official guide for fire officers, professional engineers and architects, developers, contractors, building owners, students, etc.

On the personal level, he has conducted many studies to establish the way forward for sustainable fire engineering concept and published these findings. He is one of the panel CPD lecturers for Fire and Rescue Department Malaysia, The Institution of Architects Malaysia as well as The Institution of Engineers Malaysia. He has also been invited for IEM and ACEM seminars and conferences.

He has been invited as an International speaker at Fire conferences in countries such as United States of America, Australia, Hong Kong, Singapore, Philippines, India, Taiwan, United Kingdom, Scotland, South Africa, Netherland, Republic of Ireland and U.A.E. His latest paper "Integrated Fire Safety Engineering – The Way Forward" was delivered at the Europe Fire Advisory Forum 2013, Prague, Republic of Czechoslovakia.

He is not only a learned fire engineering professional but also a good lecturer and presenter.

#### **Terms & Conditions:**

- For **ONLINE REGISTRATION**, only **ONLINE PAYMENT** is applicable [via RHB and Maybank2u –Personal Saving & Personal Current; Credit Card - Visa/Master]. Please note that payment **MUST** be made "**ONLINE**" **before the closing date**. If payment is not received and verified within the stipulated time, the registration fee will be reverted to the normal registration fee.
- 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. If the participant made payment and failed to attend the course, the fee paid is non-refundable. Registration fee includes lecture notes, refreshment and lunches.
- 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

If you require further details or clarifications kindly contact the IEM Secretariat at:

**The Institution of Engineers, Malaysia**  
**Lot 60/62, Jalan 52/4, 46720 Petaling Jaya**  
**Selangor Darul Ehsan**  
**Tel No: 03-7968 4001/02 Fax: 03-7957 7678**  
**Email: aklanie@iem.org.my Website: www.myiem.org.my**