

COMPLYING MS1745 IN FIRE DETECTION & ALARM SYSTEM DESIGN COURSE



Date: 23rd November 2019 (Saturday)

Time: 9.00am – 5.30pm

**Venue: Cahaya 4, Level 5
Best Western Petaling Jaya**

Organised by



**THE INSTITUTION OF FIRE ENGINEERS
(UK) MALAYSIA BRANCH**

Supported by



Course Content

The One-Day course is specially designed to disseminate practical knowledge in design of fire detection and alarm systems for professional M&E engineers and graduate engineers. Fire detection and alarm systems is the primary life safety design in detecting and raising audio alarm signals to ensure safe mass evacuation during fire incidents. The course will emphasize on fit for purpose design for various categories of occupancy risks, including buildings with sleeping risks under Malaysian Standard MS1183. The course will incorporate acoustic engineering fundamentals, making sure that the audibility of alarm signals complies with the requirements in Malaysian Standards MS1745.

Program

0830 Registration

0900 **Paper 1:** Fire incidents case study
Fire and smoke behaviour in relation to life safety risks

1015 Tea break

1045 **Paper 2:** Introduction to MS1745 and MS1176

1130 **Paper 3:** Types of fire alarm and detection components

1215 Lunch

1330 **Paper 4:** UBBL Requirements for fire detection and alarm systems

1400 **Paper 5:** Type of Fire alarm systems

1500 Tea break

1530 **Paper 6:** Parameters affecting the audibility of fire alarm signal

1630 Q & A Session

1730 End of Course



5 BEM CPD Hours

Speakers Profile

Ir. Lee Kong Fan MIFireE

Ir. Lee King Fan obtained his B. Sc. Mechanical Engineering from Brighton University UK in 1982 and he started his career with Light and Power Construction Sdn Bhd as a project engineer which involve supply and installation of Fire Protection, air-conditioning and hydraulic service. In 2013 he became a director for NDY (Malaysia) Sdn Bhd, which has changed its name to CHT International Sdn Bhd. On top of the fire protection systems, he is also well versed with smoke control and management design, pressurisation of fire escape in mega-sized projects. He has been a long serving council member for The Institution of Fire Engineers Malaysia Branch and he currently serve as the Deputy President. Sitting in the Standards Malaysia's technical committee, he is actively involved in drafting Malaysian Standards for fire industry. On top of it, Ir. Lee Kong Fan contributed his expertise in the Fire & Rescue Department-Professionals dialogue and council for many years. His other involvements include participating in conferences, seminars and workshops.

Ir. Lam Kai Min MIFireE

Ir. Lam Kai Min graduated with a degree in Mechanical Engineering from Multimedia University in 2003 and has 15 years of working experience in M&E building services consultancy and design. He is a professional engineer registered with the Board of Engineers Malaysia BEM and a Green Building Index Facilitator registered with Greenbuildingindex Sdn. Bhd GSB and presently is a Director of KVA Konsult, an engineering consultancy firm. He currently serves as the Honorary Secretary in The Institution of Fire Engineers Malaysia Branch and the chairman of IFEM Young Professionals Network, YPN. He is heading the Branch Interest Group (BIG) for Smoke Control and Pressurisation System which is to study the impact of protected corridor pressurisation methodology in the event of a fire in hotel room for safe egress of occupants. Under IFEM, he sits in the committee drafting the revision of technical reference book "Guide to Fire Protection in Malaysia" and has been actively involved in organizing and participating in fire safety conferences, seminars and workshops over the years.

Mr. Tay Hao-giang CFIFireE

Tay Hao-giang is a qualified and experienced Fire engineer. He is a graduate of Heriot-Watt University and obtained his Master of Science Degree in Fire Safety Engineering from University of Edinburgh, Scotland. As the principal fire consultant of Fire Safety Engineering Sdn Bhd, he has over 30 years of experience in fire safety engineering design and management. His company provides advice, consultancy service and training to corporate clients in a holistic approach to sustainable fire safety management for business continuity. Tay Hao-giang is the Past International President and a Trustee and Board of Directors of The Institution of Fire Engineers. He is the current Vice President of The Institution of Fire Engineers Malaysia Branch. He chairs SIRIM Technical Committees which develop series of performance-based Malaysian Standards for the fire safety and prevention industry. He also co-authored technical reference book "Guide to Fire Protection in Malaysia". He is the panel CPD lecturers for FRDM, PAM, LAM, CIDB, ACEM and IEM. He has been invited to speak at international fire conferences in countries such as United States of America, Australia, Hong Kong, China, Singapore, Philippines, India, Taiwan, England, Scotland, Wales, South Africa, Netherlands, Republic of Ireland, U.A.E and Malaysia.

Registration Form

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Course Fees

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|----------------------|-----------------|
| IFEM/IEM/BEM members | RM500.00 [] |
| Non-Members | RM600.00 [] |

Name (Mr./Ms./Ir./Ar./Others): _____

IFEM/IEM/BEM No.: _____

Company: _____

Address: _____

Tel: _____

Mobile No.: _____

Email: _____

Please pay/deposit the registration fees to:

The Institution of Fire Engineers (UK) Malaysia Branch
Account No. 5148 5111 2802 (Maybank)

Fax/Email payment receipt to:-

Fax: 03-91017700 Email: info@ife.org.my OR ife.malaysia@gmail.com



5 BEM CPD hours

For further enquiries about the course, please contact IFEM office:-
Ms. Goh Khang Yien Tel: 03-91012255