

**REGISTRATION FORM**  
**FIRE PROTECTION SERVICES -**  
**ACTIVE SYSTEM DETERMINATION & DESIGN**



**IEM ACADEMY SDN BHD (1016575-D)**  
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Please Tick	Dates	Closing Date	Venue
	June 2021		Wisma IEM Petaling Jaya
	August 2021		
	October 2021		

No	Name(s)	M'ship No.	Grade	Fee (RM)*
			<b>SUB TOTAL</b>	
<b>TOTAL PAYABLE</b>				

**PAYMENT METHOD**

(a) Local cheque/Banker's cheque made payable to "IEM ACADEMY SDN BHD".  
 (b) Directly bank in or online transfer (Please forward soft copy of payment advice):-  
 Account Name: **IEM ACADEMY SDN BHD**  
 Account Number: **21403500139397**  
 Bank Name: **RHB Bank Berhad**  
 Bank Address: **No. 1, 3 & 5, Jln 52/18, PJ New Town Branch,  
 46050 Petaling Jaya, Selangor, Malaysia**  
 Swift Code: **RHBBMYKL**

**NB: Kindly take note that all telegraphic charges to be borne by the participants.**

Enclosed herewith a crossed cheque No: \_\_\_\_\_ for the sum of RM \_\_\_\_\_ issued in favour of "**IEM Academy Sdn Bhd**" and crossed 'A/C payee only'. I/We understand that the fee is not refundable if I/We withdraw after my/our application is accepted by the Organising Committee as stated in the **cancellation term**. If I/We fail to attend the seminar, the paid registration fee will not be refunded.

Contact Person: \_\_\_\_\_ Designation: \_\_\_\_\_

Name of Organization: \_\_\_\_\_

Address: \_\_\_\_\_

Telephone No.: \_\_\_\_\_ (O) \_\_\_\_\_ (Fax)

\_\_\_\_\_ (H) \_\_\_\_\_ (HP)

Email: \_\_\_\_\_

Signature & Stamp

Date

**FIRE PROTECTION SERVICES -**  
**ACTIVE SYSTEM DETERMINATION & DESIGN**  
 by Ir Lam Kim Seong

Organised by:  
**IEM Academy Sdn Bhd**



COURSE DATES:
JUNE 2021
AUG 2021/006
OCT 2021

**VENUE: WISMA IEM, PETALING JAYA**

**TIME: 9.00 AM – 5.00 PM**

**BEM Approved CPD Hours : 6**  
**Ref. No IEM20/PP/025/C**

Grade	Rate
<b>IEM Member</b>	RM 530.00
<b>Non IEM Member</b>	RM 848.00



**TERMS & CONDITIONS**

- ✓ We wish to remind that all registration fees must be FULLY paid before commencement of the course. IEM Academy Sdn Bhd. reserves the right to refuse entry for participant(s) who have not paid their registration fees to attend the course. THIS REQUIREMENT WILL BE STRICTLY ENFORCED.
- ✓ 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.
- ✓ IEM Academy Sdn Bhd 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.

**CANCELLATION POLICY**

IEMASB reserves the right to postpone, reschedule, allocate or cancel the course. Full refund less is 30% if cancellation is received in writing more than 7 days before the start 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.

## **INTRODUCTION**

The provisions of fire protection systems have to take into account a building's usage, occupancy type, footprint (size, height etc.) and including other installed system. The installed systems are meant to provide a reasonable degree of protection for life and property from fire. A design engineer has to acquire the necessary knowledge and expertise to carry out an integrated approach for building components analysis and provide the required systems for code compliance and owner's minimum legal responsibilities for protection.

## **LEARNING OBJECTIVES**

This course will provide the fundamental knowledge of systems in relation to building's type and occupancy and familiarisation with the various type of active fire protection systems design criteria and applicable standards.

## **COURSE TOPICS**

Overview of By-Laws, Regulations and Standards

Selection of relevant fire protection systems

System design for

- Portable fire extinguishers
- Hose reel system
- Dry riser system
- Wet riser system
- Down comer system
- Automatic sprinkler system
- Fixed gas extinguisher systems
- Fire alarm and detection system

Work examples

### **Who should attend**

Engineers and designers involved in delivery of fire protection systems in buildings.

Engineers pursuing the route to be a professional engineer

## **BRIEF BIODATA OF COURSE LEADER**

Ir. Lam Kim Seong holds a Bachelor of Engineering (Hons.) Degree in Mechanical Engineering from the University of Malaya. He is a registered Professional Engineer with the Board of Engineers, Malaysia and is a GBI Accredited Facilitator. Ir. Lam is a Corporate Member of the Institution of Engineers, Malaysia (IEM), member of the ASHRAE Malaysia Chapter, Association of Consulting Engineers Malaysia (ACEM) and Malaysia Green Building Council.

Ir. Lam is also active in various professional bodies. He is a board member and a past president of ASHRAE Malaysia Chapter. He also represents IEM, ACEM and MASHRAE in various technical working groups under SIRIM, Kementerian Tenaga, Teknologi Hijau dan Air (KeTTHA) and Suruhanjaya Perkhidmatan Air Negara (SPAN). He was a Trainer and Examiner in the GBI Facilitator course.

## **PROGRAMME**

<b>Day 1</b>	
08:30 – 09:00	Registration
09:00 – 10:30	Overview of By-Laws, Regulations and Standards Portable fire extinguishers Hose reel system
10:30 – 11:00	Tea Break
11:00 – 12:30	Dry riser system Wet riser system Down comer system
12:30 – 13:30	Lunch
13:30 – 15:00	Automatic sprinkler system (including NFPA 13) Fixed gas extinguisher systems
15:00 – 15:30	Coffee Break
15:30 – 17:00	Fire alarm and detection system Work examples Industry expectations for a professional engineer

### **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.