



**ONE DAY COURSE  
ON  
“ FIRE CONTROL CONCEPTS &  
DESIGN OF ACTIVE WET SYSTEMS”  
{HRDF Claimable}**

**SPEAKER ;  
Ir. GARY LIM ENG HWA**

**Date** : 07<sup>TH</sup> OCTOBER 2020 (Wednesday)  
– Rescheduled from 02 September 2020  
**Venue** : MALAKOFF AUDITORIUM  
Ground Floor, Wisma IEM, P.Jaya, Selangor  
**Time** : **BEM Approved CPD/PDP Hours: 6.5  
(IEM20/HQ/121/C)**



**Closing Date: 30<sup>TH</sup> SEPTEMBER 2020**

**NO online registration will be allowed after the Closing Date**

**Organized & Hosted by:  
Building Services Technical Division (BSTD), IEM**

**Cancellation Policy**

No cancellation will be accepted prior to the date of the event. However, replacement or substitute may be made at any time with 7 days prior notification and substitute will be charged according to membership status.

**Personal Data Protection Act**

I have read and understood 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.

**“IEM reserves the right to alter or cancel the programme due to unforeseen circumstances at its discretion”.  
For intending participants who choose to ‘walk in without prior registration’,  
IEM SHALL NOT be responsible for any direct or consequential losses”.**

## **SPEAKER**



**Ir. GARY LIM ENG HWA**  
**BE(Mech.) NZ, Mgt Dip. FIEM, P.Eng, Asean Eng.**

Ir. Gary Lim is an experienced and qualified Professional Engineer with over 20 years of manufacturing experience in these areas; Industrial Engineering (Work Study), Project Management, Maintenance, Production and Factory Management. The 20 years of his work spanned over various industries namely industrial chemicals, dairy products, jam, sauces, chocolates, confectionnaires, industrial gases (liquid nitrogen, oxygen, argon, etc), blow moulding of plastic containers and paint manufacturing.

His last 11 years of his working experience was with a multinational insurance company where he received further training in the area of Fire Engineering from an insurer perspective, started as the Risk Engineer and retired as the Risk Manager of the MNC insurer. Currently he is the committee member of the Building Services Technical Division and member of the Fire Advisory Board of the Institution of Engineers, Malaysia. He has a degree in Mechanical Engineering from the University of Canterbury, New Zealand and a Management Diploma from New Zealand. He is a Professional Engineer registered with the Board of Engineers, Malaysia and a Fellow of the Institution of Engineers, Malaysia (IEM). He spoke in many public seminars both for the insurance industry, Malaysia Fire Protection Association and the Institution of Engineers, Malaysia.

## **SYNOPSIS**

### **LEARNING KEY OUTCOME**

At the end of the training course, participants would be able to:

1. Understand the Risk Management Process
2. Identify the possible causes of fire and explosion (gas and dust) like static electricity
3. Able to design fire pumps and pipe sizing of the wet systems (jockey and duty pump for hydrant ring main, wet riser, sprinkler)
4. MS1910:2006 Fixed Firefighting systems – Automatic Sprinkler Systems Design, Installation and Maintenance, able to design a Pre-Calculated Sprinkler system for Ordinary Hazard and selection of orifice plate
5. Understand the difference between Clean and Non-clean gaseous suppression systems and its application

### **Note:**

**Participants are required to bring along a scientific calculator to work on the case studies.**

### **Course contents:**

1. ISO 3100 Risk Management Standard, Fire risk assessment steps and Risk Treatment
2. The various heat sources which would ignite a fire or an explosion. Static electricity which is the invincible potential hazard. Explosion hazards
3. Concept of pre-calculated sprinkler design in accordance to MS1910:2006 Fixed Firefighting Systems-Automatic Sprinkler Systems-Design, Installation and Maintenance, case study to apply the knowledge in designing the system
4. Determine the pump size of each of the wet systems including jockey pump

## REGISTRATION FORM

### ONE DAY COURSE ON "FIRE CONTROL CONCEPTS & DESIGN OF ACTIVE WET SYSTEMS" 07<sup>TH</sup> OCTOBER 2020

– Rescheduled from 02 September 2020

Fax: 03-7957 7678

Email: [shahrul@iem.org.my](mailto:shahrul@iem.org.my)

#### REGISTRATION FEE : 6% GST EFFECTIVE 01<sup>ST</sup> MARCH 2019 (HRDF Claimable)

	Online Fee	Normal Fee
Student Member	RM 150.00	RM 180.00
Graduate Member	RM 250.00	RM 300.00
Corporate Member	RM 400.00	RM 450.00
Non IEM Member	RM 600.00	RM 700.00

No	Name(s)	Membership No.	Grade	Fee (RM)*
SUB TOTAL				
+ 6% SST				
TOTAL PAYABLE				

#### PAYMENT DETAILS :

Cash RM \_\_\_\_\_

Cheque No. \_\_\_\_\_ for the amount of RM \_\_\_\_\_ (non refundable) and made payable to  
**"THE INSTITUTION OF ENGINEERS, MALAYSIA" and crossed 'A/C Payee Only'.** Bank Account No. : 640320010020215,  
Bank Name: Alliance Bank Malaysia Berhad. (SHOULD PAYMENT IS MADE, KINDLY EMAIL THE 'BANK-IN-SLIP' TO IEM FOR VERIFICATION BEFORE THE EVENT FOR EASY REGISTRATION)

**FULL PAYMENT must be settled before commencement of the seminar**, otherwise participants will not be allowed to enter the hall. If a place is reserved and the intended participant fails to attend the course, the fee is to be settled in full. If the participant failed to attend the course, the fee paid is non refundable. The Registration Fee includes lecture notes, refreshment and lunch.

For **ONLINE REGISTRATIONS**, please note that payment **MUST** be made **BEFORE the closing date**. If payment is not received within the stipulated time, the registration fee will be reverted to the normal registration fee.

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

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

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

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

Handphone: \_\_\_\_\_ (HP) Email: \_\_\_\_\_

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

Date \_\_\_\_\_

#### TERMS & CONDITIONS:

- For ONLINE REGISTRATIONS, only ONLINE PAYMENT is applicable [via RHB and Maybank2u – Personal Saving & Personal Current ; Credit Card - Visa/Master.
- Payment via CASH / CHEQUE / BANK-IN TRANSMISSION / BANK DRAFT / MONEY ORDER / POSTAL ORDER / LO / WALK -IN will be considered as NORMAL REGISTRATION
- The Organising 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.

## PROGRAMME

Time	Topics
08:30a.m. – 09:00a.m.	Guests Arrival & Registration. Welcome Coffee / Tea
09:05 a.m. – 09.10 a.m.	Welcoming & Introduction
09:15 a.m. – 10.30 a.m.	Session 1
10:30 a.m. – 10.45 a.m.	Morning Coffee / Tea Time
10:45 a.m. – 12:30 p.m.	Session 2
12:30 p.m. – 02:00.p.m.	Lunch Buffet
02:00 p.m. – 03:30 p.m.	Session 3
03:30 p.m. – 03:45 p.m.	Afternoon Coffee / Tea Time
03:45 p.m. – 5:00 p.m.	Session 4
05:00 p.m. – 05:30 p.m.	Question & Answer Session End of Seminar

### Further Details

- I. Hand sanitiser will be available at the entrance of IEM Building. Members must sanitise their hands every time they enter IEM Building.
- II. Temperature Screening will be done at the registration counter at Ground Floor. Members who have a body temperature of 37.5 ° Celsius or show any symptoms will not be allowed to enter the Lecture Hall.
- III. Members are highly encouraged to wear face masks at their own costs throughout the duration in the IEM Building.
- IV. Scanning of CPD will be done at the registration counter at Ground Floor. Non-member to produce their MyKAD for scanning and recording purpose.
- V. Social distancing must be maintained at all times. All Members must maintain a distance of 1 meter from each other.
- VI. All Members to be seated at least 1m apart from each other.
- VII. Members strictly advised to follow the entry and exit guides.

**For further details, kindly contact:**

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