The Institution of Engineers, Malaysia

ONE DAY COURSE ON "PLUMBING – PROFESSIONAL COMPETENCY EXAMINATION (PCE) ON THE SYLLABUS OF HYDRAULICS - DESIGN CONSIDERATIONS"

{HRDF Claimable}

SPEAKER ;
Ir. GARY LIM ENG HWA

Date : 28TH MAY 2021 (Friday)
Venue : MALAKOFF AUDITORIUM
Ground Floor, Wisma IEM, P.Jaya, Selangor
Time : 8.45 a.m. – 5.30 p.m.

BEM Approved CPD/PDP Hours: 6.0
(IEM21/HQ/132/C)

FIRST-COME-FIRST-SERVE-REGISTRATION
LIMITED TO SIXTY FIVE (65) PAXS ONLY

HRDF MALAYSIA REGISTERED TRAINING PROVIDER

HRDF MALAYSIA CLAIMABLE

Closing Date: 24TH MAY 2021
***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, diary products, jam, sauces, chocolates, confectionnaires, industrial gases (liquid nitrogen, oxygen, argon, etc), blow moulding of plastic containers and paint manufacturing (highly fire hazardous). In the diary industry involved in the design of Clean-In-Place (CIP) system of the process pipings.

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. He attended a course from HSB Industrial Risk Insurers at Hartford, United States of America on the Implementing The Concepts of Industrial Fire Control in August 1998. He also attended The Insurance School (Non-Life) of Japan Advance Course on Risk Management in year 2008 and was presented a Diploma. In 2016, he obtained the Approved ISO31000 Lead Trainer status from the Global Risk Management Institute Standards -G31000

Gary had conducted numerous risk management surveys of various industries from wafer plant to power plants. Currently, a 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 in 1978 and a Management Diploma from New Zealand Institute of Management in 1980. He is a Professional Engineer registered with the Board of Engineers, Malaysia and a Fellow of the Institution of Engineers, Malaysia (IEM). Currently, he conducts courses regularly on the concepts and design in the area of Fire Engineering and Plumbing Engineering at all the IEM branches in Malaysia.
He is an active member in number of SIRIM Work Group in drawing up Malaysian Standards on plastic pipes.

SYNOPSIS

LEARNING KEY OUTCOME

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

1. Proceed to the Professional Competency Examinations (PCE) Part B - Mechanical Engineering Syllabus 3.0 Hydraulics on the followings:
    a. SPAN Uniform Technical Guidelines (UTG)
    b. BS 6700 withdrawn replaced by BS8558:2011 & BS EN806
    c. Design Considerations on Cold Water, pumping systems
2. Pressures and Pump Controls - Calculate the piping sizes
3. Take preventive measures to minimize the impact of water hammer to the pipe lines by way of design and selection of the right equipment.
4. Case Studies to illustrate the design considerations

Note: Participants are required to bring along a scientific calculator to work on the case studies and the SPAN Uniform Technical Guidelines referred.

REGISTRATION FORM

ONE DAY COURSE ON "PLUMBING – PROFESSIONAL COMPETENCY EXAMINATION (PCE) ON THE SYLLABUS OF HYDRAULICS -DESIGN CONSIDERATIONS"

28TH MAY 2021 (via PHYSICAL @ MALAKOFF Auditorium)

Tel: 603-7968 4001/2 Fax: 03-7957 7678 Email: shahrul@iem.org.my

REGISTRATION FEE : 6% GST EFFECTIVE 01ST 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	
			PLEASE ADD + 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".

(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
8.30 a.m.	Registration
8.45 a.m.	SPAN – Uniform Technical Guidelines (UTG) Fundamental of Fluid Dynamics To apply the formula on pipe sizing
10.15 a.m.	Pump sizing and case studies Cold water demand and storage tanks.
10.45 a.m.	Tea Break
11.00 a.m.	System design-Direct, VSD
12.30 p.m. to 2.40 p.m.	Lunch (longer due to Friday Prayer)
2.45 p.m.	Using Tables from BS6700 calculate pipe size, case study
3.30 p.m.	Tea Break
3.45 p.m.	Case Study – Multi stage pumping systems in a high rise building. Concept of GRAVITY feed of harvested rainwater to flush toilets
5.30 p.m.	Q & A - End of session

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:
The Institution of Engineers, Malaysia
Bangunan Ingenieur, Lots 60/62, Jalan 52/4, P.O. Box 223 (Jalan Sultan),
46720 Petaling Jaya, Selangor
Tel: 603-7968 4001/2 **Fax** : 603-7957 7678 **Email** : shahrul@iem.org.my