

Disaster Risk Reduction Advisory Board (DRRAB)

The Institution of Engineers, Malaysia

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BEM Approved CPD/PDP Hours: 2.5
Ref. No: IEM18/HQ/343/C



REGISTRATION
ONE DAY SHORT COURSE ON ENGINEERED FLOOD SAFE TECHNOLOGIES
WEDNESDAY, 29th AUGUST 2018

Name(s)	IEM M'ship No. / Grade	Fees (RM)
	SUB TOTAL	
	TOTAL PAYABLE	

Company: _____

Address: _____

Mobile: _____ Tel(O): _____ Fax: _____

E-mail: _____

(Please write clearly as the "Confirmation Notification" will be sent via email)

Contact Person: _____ Designation: _____

Signature: _____ Date: _____

Terms & Conditions:

- For ONLINE REGISTRATIONS, only ONLINE PAYMENT is applicable [via RHB and Maybank2u- Personal Saving & Personal Current: Credit Card – Visa / Master Card]
- Payment via CASH / CHEQUE / BANK-IN TRANSMISSION / BANK DRAFT / MONEY ORDER / POSTAL ORDER / LO / WALK -IN will be considered as NORMAL REGISTRATION
- For online registrations, please note that **payment MUST be made on 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 failed to attend the course, the fee paid is non refundable. Registration fee includes lecture notes, refreshment and lunches.
- In view of the limited places available, intending participants are advised to send their registrations as early as possible so as to avoid disappointment.

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.

CANCELLATION POLICY

IEM reserves the right to postpone, reschedule, allocate or cancel the Course. No cancellation of registration will be accepted two days prior to the date of the event or during the event day. Replacement or substitute name and additional fees however, can be made at least 3 days prior to the event date.

ONE DAY SHORT COURSE ON ENGINEERED FLOOD SAFE TECHNOLOGIES

Organised by:

The Disaster Risk Reduction Advisory Board (DRRAB) & Mechanical Engineering Technical Division (METD), IEM

Speakers:

Ir. Loo Chee Kin, Ms. Rusnah Koh Yu En, Mr. Liu Hui Hung & Ir. Kim Kek Seong

Date / Time

29th August 2018 @ 9.00am – 1.00pm

Venue

Malakoff Auditorium, Ground Floor, Wisma IEM, Jalan Selangor, Petaling Jaya, Selangor



REGISTRATION FEES (0% GST EFFECTIVE JUNE 2018):
Closing Date: 23rd August 2018

Grade	Normal Fee	Online Fee
IEM Student Member	RM 50.00	RM 30.00
IEM Graduate & Member	RM 100.00	RM 80.00
Non-IEM Member	RM 200.00	RM 160.00

WHO SHOULD ATTEND

Technical introduction suitable for senior management right through to the public. This includes: EHS Managers or Officers, Risk Assessors, Engineers, Town Planners, Architects, City Council, Utility Operator, Land Surveyor, Disaster Risk Managers, Contractors, Interior Designer, Emergency Responders, Disaster Managements, and any Business Owners, Engineers or Tradesman working in potentially flood areas.

ABOUT THE COURSE

The most common and devastating disaster in Malaysia is flood. Flood water causes economic loss as it damages property, delay commerce and put life on hold till the water recedes. Faster recovery would be possible if the water can be kept at bay.

Traditional method of using sandbag as a flood barrier would not give good level of assurance, may not be effective, and is labour intensive to build and ergonomically a challenge to move heavy bags. These tends to the leak and delay in constructing a dike during emergency will bring major losses, especially if the water enters a basement or below ground spaces.

Engineered solution is always preferred in disaster risk reduction as the needed resources to install the barrier can be preplanned and drawn up in the floor response plan. The flood barriers made to certified standards will have various test on the mechanism and material, thus ensuring the solutions could perform its duty at the time of emergency and the deployment time can be predicted.

Module 1 – Understanding Potential Risk of Flood in Malaysia

Synopsis: This module introduces some of the mechanics of flood and flood risk areas in Malaysia. There are systematic ways to study and quantify a flood. Understanding its potential impacts to human safety as well as property conservation. It will touch on how to implementation a flood risk reduction and mitigation plan.

Module 2 – Approval Standards of Flood Abatement Solution

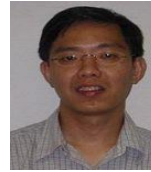
Synopsis: FM Approved flood abatement products have meet the requirements of one of the most rigorous certification standards in the world, including full-scale riverine simulation testing as well as individual component testing. This module will touch on some of the test method and procedures.

Module 3 – Design of a Flood Abatement System

Synopsis: This module will elaborate on the fundamental principles and strategies of reducing the risk and impact of flood. This will walk through a systematic A-Z way of addressing each risk with engineered solutions. Among these will include permanent protection, backflow preventers and sump pumps for drains and sewers, and temporary barriers to protect buildings against flood waters.

SPEAKERS BACKGROUND

Ir. Loo Chee Kin is an active member in the Institution of Engineers, Malaysia (IEM). He is one of the founding members of IEM Disaster Risk Reduction Advisory Board (DDRAB) and is currently the Chairman of DDRAB. He is also the current Chairman of the IEM Mechanical Engineering Technical Division (METD).



Ir. Loo Chee Kin is a Senior Consultant with Global Risk Consultants (GRC) and before that he was with FM Global. He has more than 20 years engineering experience, from design to field work, as well as natural hazard assessments. He graduated from UMIST, UK with a B.Eng in Electromechanical Systems Engineering and a Diploma from Kota Bharu Polytechnic. He is a P.Eng in Mechanical and Electrical Engineering, a Member of IEM, IMechE and IEE, registered C.Eng.

Ms. Rusnah Koh is Approvals Engineer for FM Approvals. She is responsible for providing guideline of FM test standards for building materials include flood abatement equipment, roofing system, insulated wall system, pipe and duct insulation, exhaust duct system, cooling tower as well as fire protection system and detection system that are related to approval program testing. Ms. Koh also conducts factory audit as part of product certification qualification. Other responsibilities include raise the awareness of FM Approved products applications in the region and witness fire pump testing in Asia region. Ms. Rusnah, graduated from University of Queensland, Australia, has over 7 years of experience in project management and witnessing loss prevention product testing.



Mr. Liu Hui Hong is the CEO of Dai Chen Watertight Gate Technologies Co. Ltd and Inventor. He holds many patent rights of flood gate, flood door, watertight gate, flood proof building fixture in various countries including Taiwan, US, Japan, & Malaysia. Among the prizes he was awarded includes as World Chinese Noble Price - Inventor Categories in 2012 & World Chinese Outstanding Inventor 2013. Since 2001, he has helped thousands of victims that suffered from flood in Taiwan and Asia to get rid of the nightmare flooding.

Ir. Kim Kek Seong is a Technical Manager of Enovate PLT dealing with various innovative engineering solutions. He has more than 18 years of hands-on experience in various mechanical and chemical process engineering improvements as well as personal safety and industrial hygiene management. He graduated from Universiti Teknologi Malaysia, UTM, with a B.Eng. in Chemical Engineering. He is a P.Eng. in Chemical Engineering, Fellow Member of IEM, and Honorary Member of AFEO. He currently is an active committee member in the IEM, in Membership Application Board (MAB), Disaster Risk Reduction Advisory Board (DRRAB), Member of Training Board (TB) as well as various Sub-Committees and boards.



TENTATIVE PROGRAMME

Time	Module	Trainer
8.30 – 9.00	Registration, Scan in	
9.00 – 9.45	Module 1 – Understanding and Projection of Potential Risk of Flood in Malaysia	Ir. Loo Chee Kin
9.45 – 10.30	Module 2 – Approval Standards of Flood Abatement Solution	Ms. Rusnah Koh Yu En
10.30 – 10.45	Tea Time	
10.45 – 12.30	Module 3 – Design of a Flood Abatement System	Ir. Kim Kek Seong &
12.30 – 13.00	Demo & Practical	Mr. Liu Hui Hong
13.00 onward	Lunch	