

THE DISASTER RISK REDUCTION ADVISORY BOARD (DRRAB)



HALF-DAY SHORT COURSE ON “FLOOD EMERGENCY RESPONSE PLANNING”

Organised by:
Stand. Comm. on Professional Practice (PPC)

1 MARCH 2022
1.30 PM - 5.30 PM
GOTOWEBINAR



Speaker:
Ir. Loo Chee Kin

BEM Approved CPD/PDP Hours: 4
Ref. No.: IEM21/HQ/502/C (w)

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By Donation:
IEM Member - RM 200
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IMPORTANT NOTES
*The proceeds from this course will be donated to IEM Flood Disaster Relief Operation Fund.
This course was previously conducted in IEM HQ as well as in IEM Pahang, Perak and Southern branches.*

**MyIEM HQ Official -
General**

Course Outline

1.30 - 2.30 pm	Fundamentals of floods Understanding the types of floods
2.30 - 3.30 pm	Post-flooding salvage and recovery
3.30 - 4.30 pm	Aspects of a Flood Emergency Response Plan Guidelines on writing an emergency response plan
4.30 - 5.30 pm	Flood mitigation and prevention measures Q&A Session

SYNOPSIS

The recent 2021 Klang Valley flooding had caught many urbanites by surprise. Prior to this, the 2014/2015 nationwide flooding was one of the most devastating floods in Malaysia's history, where more than 250,000 people were displaced by the floods. In both instances, the flood waters stayed for days in many areas. The states of Kelantan, Terengganu and Pahang were the worst affected and the states of Perlis, Perak, Johor and Sabah were not spared.

This short course will introduce some fundamentals of floods and will explain the various types of floods. Floods can be made worse by a combination of several factors. A Flood can be prevented by understanding the flood exposure, and then applying engineering measures to mitigate the flood or build defenses to protect against the flood. For flood exposed locations, a flood emergency response plan can be implemented to limit or reduce the flood damage. This half-day short course will help participants to have better understanding on drawing up a flood emergency response plan. After the flood waters have receded, taking the right salvage steps can bring back recovery sooner. This course will focus on things that an individual or a company can do to lessen the impacts from floods.

Target audience: Anyone interest on the flood issue. This course will cover basic knowledge about floods and no prior knowledge is required.



BIODATA OF SPEAKER

Mr. Loo Chee Kin is a Senior Consultant with TÜV SÜD Global Risk Consultants (GRC) and before that he was a Senior Engineering Specialist with FM Global for some 12 years. He has more than 25 year engineering experience, from design to field work. He graduated from UMIST, Manchester, UK with a B.Eng in Electromechanical Systems Engineering and prior to that a Diploma in Electromechanical Systems Engineering from Kota Bharu Polytechnic in Kelantan, Malaysia. He is a P.Eng in Mechanical and Electrical Engineering and a Member of IEM. He is a Member of IMechE and IEE, and registered C.Eng.

He is one of the founding members of Disaster Risk Reduction Advisory Board (DRRAB), an active committee member in the IEM's Mechanical Engineering Technical Division (METD) and Professional Practice Sub-Committee (PPC) as well as various Sub-Committees and Boards. He had written articles in the IEM monthly bulletin, Jurutera, and conducted numerous talks, seminars, dialogues, and courses. He chaired a committee to write IEM Guideline on Flood Abatement Equipment in 2019. For his contribution and work in disaster management to the ASEAN Federation of Engineering Organisations (AFEO), he was conferred an Honorary Member of AFEO in 2020.

His areas of risk evaluation are both for existing sites as well as engineering services for new projects of clients. He has visited and provided loss prevention engineering services for various plants, which includes semiconductor wafer fabs, offices, machine shops, rubber processing facilities, paper working, food, healthcare products, electrical apparatus assembly, foundry, molten glass, mines, mills, warehousing facilities, etc.

In the natural hazards field, Mr. Loo had done consultancy for flood, earthquake, windstorm, freeze and snow in various countries. In the area of flood, he advice project teams on site selection, building flood protection barriers, devise flood emergency response plan, compile rainfall and flood data, and review flood studies.

