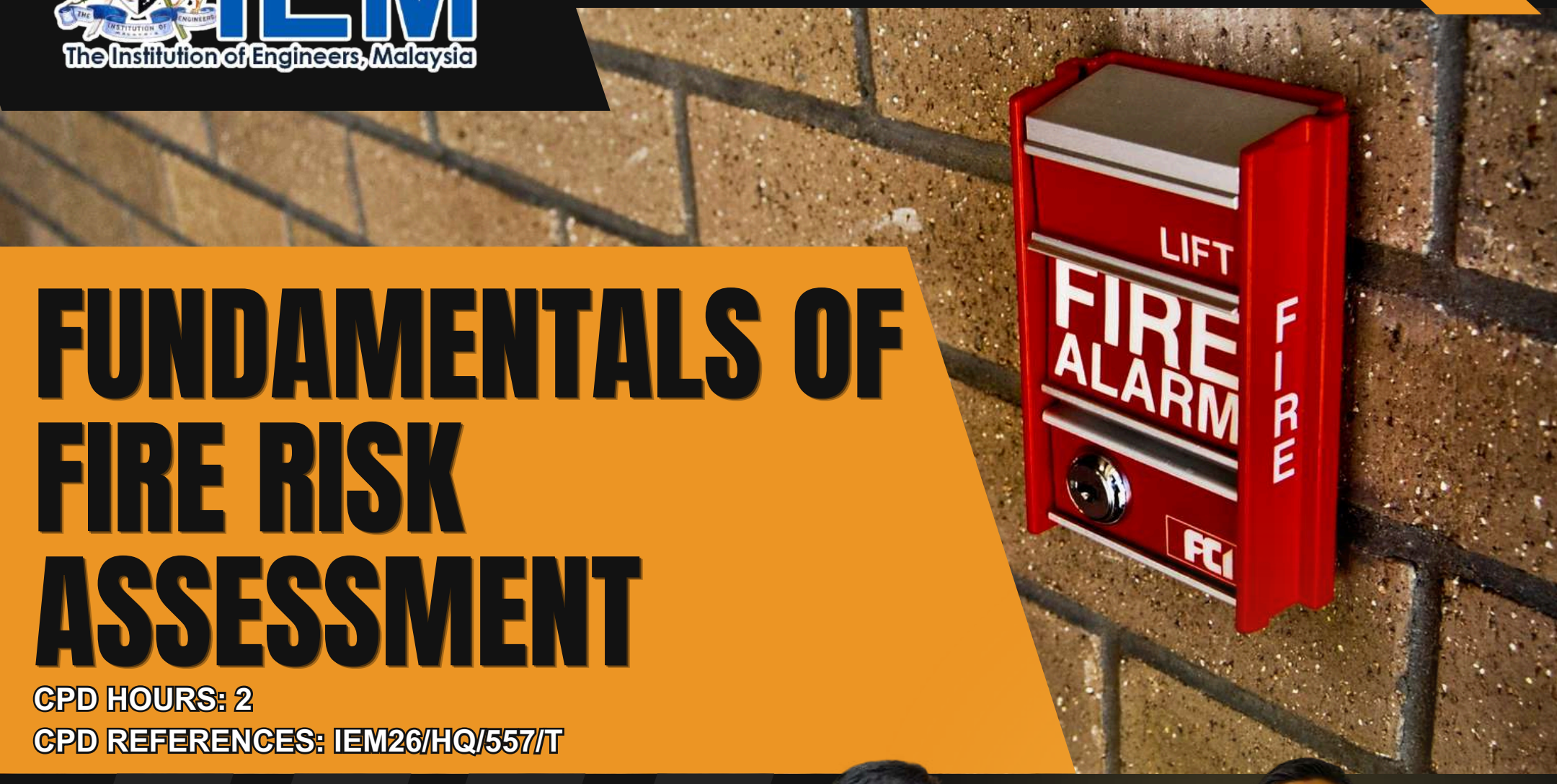
The Institution of Engineers, Malaysia

ORGANISED BY: IEM FIRE ADVISORY BOARD (FAB) & MECHANICAL ENGINEERING TECHNICAL DIVISION



FUNDAMENTALS OF FIRE RISK ASSESSMENT

CPD HOURS: 2

CPD REFERENCES: IEM26/HQ/557/T

17 DEC 2026 | 2.30PM - 4.30PM

METD ROOM, WISMA IEM, PETALING JAYA



SPEAKER

Mr. Edison Beh Hao Xiang

Associate Director | Registered Fire Safety Engineer (BOMBA)



SPEAKER

Ir. Mohamad Saiful Abdul Rani

P.Eng., ACPE, MIEM
Mechanical Engineer,
Public Works Department (JKR)

INTRODUCTION

This talk introduces the fundamentals of fire science and fire risk assessment, highlighting the relationship between fire safety design and fire statistics. Participants will gain insights into passive and active fire protection systems, fire safety management, and their roles in assessing and mitigating fire risks within buildings

REGISTER NOW

REGISTRATION FEE

MEMBER TYPE	PRICE
MEMBER	RM 20
NON-IEM MEMBER	RM 70

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SPEAKER PROFILE

Mr. Edison Beh Hao Xiang
Associate Director | Registered Fire Safety Engineer (BOMBA)

Mr. Edison Beh is a Registered Fire Safety Engineer with 16 years of professional experience. He holds a Master of Engineering in Fire Protection Engineering from the University of Maryland, USA. His expertise includes fire safety design, performance-based approaches, fire and smoke modelling, and egress analysis. He is also a member of the IEM Fire Advisory Board, NFPA and SFPE

Ir. Mohamad Saiful Abdul Rani
P.Eng., ACPE, MIEM
Mechanical Engineer, Public Works Department (JKR)

Ir. Saiful is a Professional Engineer with over 15 years of experience in engineering, fire safety and risk management. He holds a Master's degree in Fire and Explosion Engineering from the University of Leeds and is a Subject Matter Expert in Firefighting Systems at JKR

TENTATIVE PROGRAM

Time	Programme
2.15 PM	Registration
2.20 PM	Welcoming Remarks & Introduction
2.30 PM	Talk 1 : Fundamentals of Fire Risk Assessment
3.20 PM	Talk 2 : Fire Protection Systems & Fire Safety Management
4.10 PM	Q&A & Discussion
4.30 PM	Presentation of Token Appreciation & Group Photo

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