

# FIRE RISKS ASSESSORS COURSE

18 - 22 July 2022

This course is delivered as part  
of a joint collaboration between

## About This Course

The main objective of the Fire Risks Assessors (FRA) accreditation course is to raise the profile and competency of risk engineers, fire surveyors, fire assessors and fire auditors in the Insurance Industry. Participants who complete the course will be recognised as qualified Fire Risks Assessors and listed on the Institution of Fire Engineers (UK) Malaysia Branch's (IFEM) website for registrants of FRA. All registrants of FRA will have an opportunity to join IFE as a member (of suitable grade) with an opportunity to be registered as an Engineering Technician of The UK Engineering Council.

A competent Fire Risks Assessor will be able to conduct professional risks assessment of buildings under audit with in-depth knowledge learnt through the course. A FRA will be competent to produce a comprehensive risks assessment report by highlighting the risks of assets under review for loss prevention for business continuity.

A proper risks assessment will enable building owners to exercise mitigation measures in eradicating fire risks and ensuring safety for all occupants and visitors through risks management recommendations. The value of having competent FRAs in the insurance industry will be in terms of compensation pay out.

## Course Outline

- Fire Risks Assessment Methodology
- Fire Science and Fire Safety
- Building Regulation, Acts, Codes and Standards
- Case study of international and local fire incidents
- Fire Prevention
- Fire Protection
- Means of Escape/Human Behaviour
- Fire Management

## Course Learning Outcomes

**Participants who have attended this course and achieved the qualification should be able to:**

- perform competent fire risks assessment of buildings, identify potential risks and recommend mitigation measures as part of risk management for business continuity.
- demonstrate understanding of the fundamental fire science, danger of fire propagation, danger of fire damage to properties and danger of smoke for occupants.
- gain valuable lessons from past international and local fire incidents to prevent recurrence.
- understand basic Building Regulation, Acts, Codes and Standards and legislative requirements for fire safety.
- understand active and passive fire protection systems design concept, operation, functionality of components and methods of assessing system operational conditions.
- provide structure risk advice to the Insurance Industry on risk exposure.
- understand the concept of means of escape design.
- incorporate human behaviour in fire safety design.

## Award / Recognition

Participants who complete the course and pass the assessment will be awarded a Certificate of Achievement jointly by MII, IFEM and FPAM.

Successful participants will be listed as accredited Fire Risks Assessors on The Institution of Fire Engineers Malaysia website and it also opens up a pathway to apply for accreditation with the UK Engineering Council.



## Entry Requirements

1. University Degree – Undergraduate or Post graduate degree in Science or Engineering related field; or
2. Technical Diploma in Engineering; or
3. Mature candidates with at least 10 years of relevant experience

Target Audience	Structure & Assessment Format
Risk Engineers, Fire Surveyors, Fire Assessors, Fire Auditors or anybody interested to be a certified Fire Risks Assessor	<p>4 Days Classroom Training 1 Day Assessment</p> <p>Practical Fire Risks Assessment – 30% Assessment Test – 70%</p>

## Faculty



**Mr. Tay Hao Giang CFIFireE**  
**B.Sc.(Hons), M.Sc. Fire Safety Engineering**

Tay Hao Giang is a qualified Fire Engineer with vast experience. He obtained his Masters of Science in Fire Safety Engineering from the University of Edinburgh, Scotland. As the principal fire consultant of Fire Safety Engineering Sdn Bhd, he has over 35 years of experience in fire safety engineering and management. He provides advice, consultancy service and training to corporate clients with a holistic approach to sustainable fire safety engineering design for business continuity.

His specialties lie in practical modern fire safety design in terms of fire protection, fire & risks assessment, and management; life safety and mass evacuation design; mitigation of fire hazards and fire risks, emergency response planning and management. Over the years, he has been actively involved in Fire and Rescue Department – Professional dialogue with active participation in the fire industry. He has been invited as a speaker at various national and international fire conferences. He is the Chairman of the Technical Committee for development of the Malaysian Standards and is one of the authors of the "Guide To Fire Protection in Malaysia". He is currently a Trustee and Member of the Board of The Institution of Fire Engineers and has served as IFE International President.



**Ir. Lee Kong Fan FIFireE**  
**P.Eng, MIEM, AMIMEchE**

Ir. Lee Kong Fan obtained his B. Sc. Mechanical Engineering from Brighton University UK in 1982. He is the director of CHT International Sdn Bhd, a M&E consulting firm where he is involved in design and contract administration works for hospitals, offices, port terminals amongst others. On top of the fire protection systems, he is also well versed with smoke control and management design as well as pressurization of fire escape in mega-sized projects.

He has been a long serving council member for The Institution of Fire Engineers Malaysia Branch and he currently serves as the Deputy President. He is a member of the Technical Committee for the Malaysian Standards where he is actively involved in drafting the Malaysian Standards for the fire industry. Ir. Lee Kong Fan has been contributing his expertise in the Fire & Rescue Department-Professionals dialogue and council for many years. His other involvements include participating in conferences, seminars and workshops.



**Ir. Chong Xin Xi MIFireE**  
**MEng (Hons) in Mechanical Engineering, P.Eng, MIEM, GBIF**

Ir. Chong Xin Xi graduated as a Mechanical Engineer with a Master's Degree in Engineering (First Class Honours) from the University of Birmingham in 2008. She is a registered Professional Engineer with the Board of Engineers Malaysia (BEM). She is also a member of the Institution of Engineers (IEM) and the Institution of Fire Engineers (IFE).

She is currently serving IFE Malaysia Branch as the Honorary Treasurer. Ir. Chong has more than 11 years of experience mainly in building services. Her previous experience includes consulting with experience in mass rapid transit system, residential apartment, high rise office tower, pumping station and others. She was previously involved in the design and simulation of performance-based tunnel ventilation and smoke control system for underground Mass Rapid Transit (MRT).



**Elphine Chew Ann Fey AIFireE**  
**Bachelor of Architecture**

Elphine Chew Ann Fey graduated with a Bachelor of Architecture (LAM Part II) from University Technology Malaysia in 2006 and has 14 years of working experience in architectural consultancy, management and design. Elphine has been a guest panelist and examiner for Taylor's University Architecture Review Sessions in year 2014 & 2020. She was a participant in the Venice Biennale Exhibition in 2012.

Elphine is a registered graduate architect with The Board of Architects Malaysia, a member of Malaysian Institute of Architects and an Associate Member of The Institution of Fire Engineers (UK) Malaysia Branch. She has been an active member of The Institution of Fire Engineers (UK) Malaysia Branch, co-organising, emceeing and lending her design skills for events, conferences, seminars and workshops.



## Collaboration Partners



The Malaysian Insurance Institute (MII), founded in 1968 as a non-profit organisation, is the leading professional body and education institution for the Malaysian insurance industry. With over 28,000 members and growing comprising institutional and individual members, MII is the largest professional body for insurance professionals in the region.

MII provides internationally recognised qualifications in insurance, risk management, compliance, and financial planning. MII is highly respected as a regional centre offering an extensive range of quality education programmes and training courses for professionals in the financial services industry. MII also supports the industry as the international examination facilitator for industry associations and several international awarding bodies. MII aspires to be the preferred insurance institute for developing human capital and raising professional standards in the region.



The International Organisation for Fire Professional. Founded in 1918, the IFE is a non profit making professional body with a rapidly growing membership of over 11,000 and a global reach that extends through 42 international branches.

Licensed by the Engineering Council (UK), the IFE upholds professional standards within all public and private fire sectors by offering assessment of knowledge, experience and development of competency. IFE also engages with major stakeholders to offer international conferences, identify and promote good practice and enhance technical networks worldwide.

The Institution provides professional recognition for members across a broad spectrum and has achieved recognition from a number of professional bodies including Ofqual. Under its Engineering Council UK licence, the Institution is authorised to register suitably qualified members as Chartered Engineers (CEng), Incorporated Engineers (IEng) and Engineering Technicians (Eng Tech).

To formulate problems of protection and prevention against fire and other risks, as subjects of research and to co-operate in research and to investigate the causes and spread of fire.



The Fire Protection Association of Malaysia Bhd (FPAM) was incorporated on 11th October 1976. The Association is an independent body and non-profit making organization. The Association is managed by a Council of Management who are elected at each Annual General Meeting of the Association.

FPAM disseminates information on loss prevention and fire risk, mainly for the risk engineers/surveyors in the local insurance industry. FPAM also partakes collaborations with other bodies/institutions to enhance skillset of risk engineers/surveyors.

## Fee

Local	International
RM 4,800	USD 1,200

*\* Fees inclusive of 6% SST (Malaysia Sales and Service Tax)*

## Administrative Details

Programme Date : **18 - 22 July 2022**

Classes	Assessment
<b>18 - 21 July 2022</b> <b>9.00 a.m. – 5.00 p.m.</b>  Four (4) Days of face to face Classroom Training, Discussion & Real World Case Analysis	<b>22 July 2022</b> <b>9.00 a.m. – 5.00 p.m.</b>  <ul style="list-style-type: none"> <li>• Half Day – Group practical fire risks assessment</li> <li>• Half Day – Individual written assessment</li> </ul>
Venue : Bangunan AICB, Jalan Dato' Onn, 50480 Kuala Lumpur	

Registration Closing Date : **15 July 2022**

### REGISTRATION POLICY

- Registration can be done via online at [www.mii4u.org/ilms/user/login](http://www.mii4u.org/ilms/user/login)
- As the maximum intake is limited to 25 pax per course, registration will be based on first come first basis.
- MII practices a 'no-credit' policy. As such, all companies and individuals are required to make payment before the commencement of the course.
- MII reserves the right to reschedule, change the trainer, modify the course content or cancel the course due to unforeseen circumstances without prior notice.
- Contact person or participants will be notified through the email or phone on the status of the programme
- Any Cancellation after the closing date is not allowed.

Scan the QR Code or click [HERE](#) to register

Please click [HERE](#) to find out our Guidelines For Face-To-Face Training

