

# TEEAM SERIES OF TECHNICAL TALK 03/2025

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## **SPEAKER**

**Engr. Tay Hao Giang**

**HOW TO PROTECT YOUR FAMILY BY  
PROMOTING RESIDENTIAL FIRE SAFETY**

## **Programme**

09.30 am : Registration & Light Breakfast  
10.00 am : Welcome Address  
10.05 am : How to Protect Your Family by  
Promoting Residential Fire Safety  
11.30 am : Coffee Break  
11.45 am : Electrical Awareness on Appliances  
& Wiring Matters  
12.30 pm : Q & A  
01.00 pm : End

**DATE** 3<sup>rd</sup> September 2025  
(Wednesday)

**TIME** 9.30AM - 01.00PM

**VENUE** TEEAM Seminar Hall  
No. 5-B, Jalan Gelugor,  
Off Jalan Kenanga,  
55200 Kuala Lumpur.



## **SPEAKER**

**Ir. Chew Shee Fuee *KMN***

**ELECTRICAL AWARENESS ON APPLIANCES  
& WIRING MATTERS**

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# SYNOPSIS

## How to Protect Your Family by Promoting Residential Fire Safety

According to fire incident statistics, domestic fires incidents though constitute only 10% of overall fire statistics, the fatality and casualty rate is more than 60% compared to commercial building fires. This could be due to less legislative requirements on fire protection for residential buildings and lack of fire risk and awareness at home. There has been numerous fatal domestic fire incidents where family members were the victims as there were no fire detection and alarm system in the houses. Moreover, rampant use of grilles for security in Malaysian homes, which comes with locks, forms death traps and prevents safe egress during fire incidents. During any fire incidents, most victims die from smoke and toxic gas inhalation and suffocation instead of being burnt. This talk will focus and highlight potential fire risks and hazards in landed residential properties as well as high rise apartments and condominiums. Fire safety measures are essential in each and every home to prevent fire disasters, in saving lives and properties.

## Speaker's Profile

**Engr. Tay Hao Giang CFireE, B.Sc. (Hons), M. Sc.** Fire Safety Engineering. Engr. Tay is a qualified and experienced Fire Engineer. He is a graduate with a Master of Science Degree in Fire Safety Engineering from the University of Edinburgh, Scotland. He is also a certified HRD Corp Trainer. As the principal fire consultant of Fire Safety Engineering Sdn Bhd, he has over 30 years of experience in fire safety engineering. His company is currently providing fire safety engineering consultancy services for corporate clients. His firm also provides fire risks assessment and management services for occupied buildings for property and asset management corporate in loss prevention and business continuity. Engr. Tay is the Past International President and is a current Trustee and a member of the Board of Directors of Institution of Fire Engineers (IFE). He is the current Deputy President of Institution of Fire Engineers Malaysia Branch. Currently he represents IFE Board of Directors in the steering committee for development of United Nation chartered program IFSS (International Fire Safety Standards) – Global Plan for a Decade of Action in Fire Safety. Engr. Tay is a member of National Standard Committee for Fire Safety (NSC13) in Department of Standards Malaysia for developing of Malaysian Standards. He chairs the Technical Committee for Fire Properties of Building Materials. He was nominated by Department of Standards Malaysia as the fire expert representing Malaysia in ISO Technical Committee for ISO Standard development. He is one of the authors for the technical reference book "Guide to Fire Protection in Malaysia". He was a visiting lecturer for Master of Science degree courses in Building Services Engineering at IIUM (International Islamic University Malaysia). Over the years, he has been invited to give fire safety lectures to undergraduate and postgraduate degree students of Built-environment Faculty of many Universities in Malaysia. He is a panel CPD lecturers for Fire and Rescue Department Malaysia, IEM, PAM, LAM, BEM, Chartered Association of Building Engineers (CABE), IFE, IFE Malaysia Branch and CIDB.

# SYNOPSIS

## Electrical Awareness on Appliances & Wiring Matters

Home fires can be caused by defective and inferior wiring, switches and appliances. It is important to inform the public on some precautions that can be taken to prevent the occurrence of a fire. The talk will try to seek for a clearer understanding of the common causes of electrical fire and a relevant recommendation on the importance of evaluating the conditions of wiring, switches and appliances. With the better awareness the incidents of electrical fires can be greatly reduced.

## Speaker's Profile

**Ir. Chew Shee Fuee KMN B Sc (Hons) (Strathclyde)**, PEng, CEng, FIEM, MIEE Member, IEEE Member, 1st Grade Electrical Engineer (Competent up to 500 kV). Ir. Chew was President of The Electrical and Electronics Association of Malaysia (TEEAM) for 2001-2005 and 2013-2017. He was a Past Chairman of the ASEAN Federation of Electrical Engineering Contractors (AFEEC) for 2016-2018. Past Chairman of The Institution of Engineering & Technology (IET) Malaysia Local Network. Ir. Chew is the Managing Director of G H Liew Engineering (1990) Sdn Bhd and Chris Chew Electrical Consultant. He graduated from the University of Strathclyde, Glasgow with a B Sc (Hons) in Electrical & Electronics Engineering. He is a Professional Engineer and is also licensed by the Energy Commission as a Competent Engineer (without voltage limits) and a Service Engineer to carry out electrical testing up to a voltage of 500 kV. Ir. Chew has more than 40 years of industry experience in electrical control and relay protection. He is also specialised in electrical site tests on power equipment, electrical fault investigation, service and maintenance of electrical switchgears and relays. His work also includes electrical supervision of sub-stations and electrical audit. He also presents lectures on electrical apparatus and the protection system. He was Vice-Chairman of MyENC (Malaysian Electro-Technical National Committee) and is a Member of Technical Committees (TCs) and Working Groups (WGs) in Standards Development.