

1 – Day Workshop on Protection against Lightning for Buildings with Roof Top Solar PV Power System



20th February 2025 (Thursday)
9.00am - 5.30pm

Malakoff Auditorium, Ground Floor, Wisma IEM, PJ

About the Workshop

This workshop shall discuss the risk assessment, design, installation and maintenance of protection against lightning for buildings with roof top solar PV complying with circulars, guidelines and similar of Suruhanjaya Tenaga (ST), Bomba and Sustainable Energy Development Authority (SEDA), and protection against lightning standards, namely, MS IEC 62305 series: Protection Against Lightning and IEC TR 63227:2020: Lightning and surge voltage protection for photovoltaic (PV) power supply systems. Additionally, we shall discuss protection against lightning for people in open field where protection against lightning is not practical.

Speakers Line Up!

Dr. Albert Kow,
Ir. KT Lim
Mr Steven Chia &
Mr. Chris Lim

Members Type	Registration Fees (Online) register via IEM website	Registration Fees (Normal) register via IEM Secretariat
IEM Student	RM150.00	RM250.00
IEM Graduate	RM200.00	RM300
IEM Corporate Members	RM400.00	RM500
Non-IEM Member	RM800.00	RM900

BEM APPROVED CPD/PDP: 7 Hours

REF. NO.: IEM25/HQ/007/W

Jointly Organised with

TAKO Lightning Protection Solution Sdn Bhd

To Register : <https://www.myiem.org.my>

Programme

Time	Topic
8:30am - 9:00am	Registration / breakfast
9:00am - 9:05am	Welcoming message by Tako Group of Companies Chief Executive Officer
9:00am - 9:30am	Lightning risk assessment (MS IEC 62305-1/-2 and IEC TR 63227) based on Malaysian climatic conditions
9:30am - 9:45am	Demonstration of TAKO - UTAR lightning risk assessment software
9:45am - 10:45am	Protection against lightning for buildings (MS IEC 62305-3)
10:45am - 11:00 am	Tea break
11:00am - 11: 45am	Protection against lightning for buildings (MS IEC 62305-3)
11: 45am - 12:00pm	Case study: Protection against lightning for buildings (MS IEC 62305-3)
12:00noon - 12:30pm	Protection against lightning for roof top solar PV system (IEC TR 63227)
12:30 pm - 1:00 pm	Lunch
1:00pm - 2:30pm	Protection against lightning for roof top solar PV system (IEC TR 63227)
2:30pm - 3:00pm	Case study: Protection against lightning for roof top solar PV system (IEC TR 63227)
3:00pm - 4:00pm	Surge protection system (MS IEC 62305-4/IEC TR 63227)
4:00pm - 4:15pm	Break
4:15pm - 5:10pm	Thunderstorm warning systems for open field (MS IEC 63793)
5:10pm - 5:20pm	Demonstration of TAKO thunderstorm warning system (MS IEC 63793)
5:20pm - 5:30pm	Q & A

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