IEM (Southern Branch)
24B Jalan Abiad, Taman Tebrau Jaya
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1–Day Seminar on "Earthing & Lightning Protection on MS IEC 62305"

REGISTRATION FORM

Name(s)	M/ship No	Fees
	TOTAL	

Enclosed herewith a Cheque No. : _____ for the sum of RM _____ issued in favour of "***The Institution of Engineers, Malaysia (Southern Branch)***" and crossed '***A/C Payee only***'. If I/we fail to attend the course, the fee paid will not be refunded.

Contact Person: ..... Designation: .....

Name of Organisation: .....

Address : .....

.....

E-mail: .....

Mobile No.: ..... Tel (O): .....

....

Signature Date

IMPORTANT NOTES

- **CLOSING DATE: 20 May 2025 (Tuesday)**
- **For ONLINE REGISTRATION**, payment **MUST BE MADE VIA ONLINE PAYMENT (**bank-in the participant fees into the Institution's **Maybank Current Account (No. 5-013920-15708)** before the **closing date**.
- **FULL PAYMENT** must be settled before commencement of the course, otherwise participants will not be allowed to enter the hall. If a place is reserved and the intended participants fail to attend the seminar, the fees is to be settled in full. If the participant made payment and failed to attend the seminar, the fees paid is non-refundable.
- The Organizing Committee reserves the right to alter or change the program due to unforeseen circumstances.

The Institution of Engineers, Malaysia
(Southern Branch)

1–Day Seminar on

"Earthing & Lightning Protection on MS IEC 62305"

BEM APPROVED CPD HOURS: 7.0
IEM25/SB/164/S

(Co-organised with Pekat Engineering Sdn. Bhd.)

Date:

24 May 2025 (Saturday)

Venue: Diamond 2, 10th Floor, Holiday Villa Hotel
Johor Bahru City Centre

For QRPay payment, scan this code with your online banking or e-wallet.

EARLY BIRD RATE
BEFORE 14 MAY 2025

IEM MEMBERS
RM 120.00 NETT

NON – IEM MEMBERS
RM 180.00 NETT

Grade	Fee
IEM Members	RM 140.00
IEM Members (age > 60 years old)	RM 100.00
Non-IEM Members	RM 200.00

Closing Date: 20 May 2025 (Tuesday)

PROGRAMME

8:30 a.m. – 9:00 a.m.	Registration
9:00 a.m. – 9:10 a.m.	Welcome Speech by IEM (SB)
9:10 a.m. – 10:15 a.m.	**Part 1 MS IEC 62305** - Lightning strike phenomena - Overview and refresh of MS IEC 62305 parts - Basic theory of lightning protection: levels and zones
	Part 2 MS IEC 62305 - Understanding risks with respect to loss and damage levels - Lightning Protection Level (LPL) & Lightning Protection Zone (LPZ) - Risk management procedure and risk level calculation - Quicker risk level calculation using software (demonstration)
10:15 a.m. – 10:30 a.m.	Morning Coffee Break
10:30 a.m. – 12:30 p.m.	**Part 3 MS IEC 62305 (first session)** - Lightning Protection System (LPS) - External LPS Design Consideration - Air Termination System, down conductors and earth termination system - External LPS Design Consideration
12:30 p.m. – 1:30 p.m.	Lunch Break
1:30 p.m. – 2:30 p.m.	**Part 3 MS IEC 62305 (second session)** - Air Termination System, down conductors and earth termination system - Lightning equipotential bonding - Soil Treatment - Type Test of Lightning Protection Components (IEC 62561)
2:30 p.m. – 3:00 p.m.	Afternoon Coffee Break
3:00 p.m. – 4:00 p.m.	**Part 4 MS IEC 62305** - Introduction of Transient (origins from lightning and for industrial) - Introduction of source & zones - Coordinated SPD and Selection of SPD for different LPZ
4:00 p.m. – 4:30 p.m.	Q&A Session End of Workshop

SYNOPSIS

Join us for a comprehensive one-day seminar on Earthing & Lightning Protection, designed to enhance your understanding of lightning protection standards and practical implementation. Based on the MS IEC 62305 series, this seminar will cover the theory, design principles, and risk assessment methods essential for effective lightning protection systems.

The agenda includes:

- An in-depth look at lightning phenomena and protection concepts
- Risk assessment procedures and software demonstration
- Technical guidance on designing external lightning protection systems
- Insights into managing transient over voltages with surge protective devices.

Participants will also benefit from interactive Q&A sessions, live demonstrations, and networking opportunities with industry peers. Whether you're an engineer, consultant, or facility manager, this seminar is tailored to equip you with practical knowledge and tools to enhance safety and compliance in your projects.

SPEAKER BIODATA

Mr. Paul Onyett is a fully qualified electrical engineer with 30 years of experience. He holds City & Guilds qualifications in Electrotechnical Engineering, gained from Rugby College. Currently, he serves as the Global Product Executive for ABB Furse, drawing on his extensive experience from working across EMEA and APAC in other ABB business units. Paul specializes in Surge Protective Devices (SPDs) and is part of the Furse UK factory team. He is actively involved in the Furse Total Solution, which includes both Earthing and Lightning Protection systems.

Previously, as the General Manager of ABB Elkay, ABB Royce Thompson, and four of ABB's Global Emergency Lighting brands, Paul oversaw the entire process of delivering products to customers—from supplier management to sales, marketing, and new product development. With over 14 years of experience in the manufacturing sector, he has developed a deep understanding of the needs and challenges faced by electrical distributors and installation companies, providing them with the best "fit and forget" solutions on the market. Paul has collaborated with numerous customers and wholesalers, supporting contracts and projects across diverse sectors such as defense infrastructure, hospitality, sports clubs, education, retail, and restaurant chains. He helps distributor partners secure and retain projects by offering essential support and technical expertise crucial for winning and maintaining contracts.

Mr. Yeffry Wiyana holds a Bachelor's degree in Electrical and Electronics Engineering from Satya Wacana Christian University, Indonesia, an MBA from SP Jain School of Global Management, Singapore, and a Postgraduate Diploma from Nanyang Technological University, Singapore. He began his professional career as an application engineer for electrical and instrumentation systems before transitioning into technical sales. Yeffry joined ABB Furse in 2010, where he established and built his expertise in earthing and lightning protection systems. In his current role as Regional Business Development Manager, he works closely with project consultants and contractors, actively participating in technical sharing sessions, training programs, and seminars focused on earthing and lightning protection systems.