

REGISTRATION FORM:
 ONE DAY SEMINAR ON PLANNING LIGHTNING PROTECTION SYSTEM (LPS) TO RISK
 MANAGEMENT SEPARATION DISTANCE, AIR TERMINATION LENGTH. EARTHING
 ELECTRODE & SURGE PROTECTION TO MS IEC 62305-1 TO -4



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 (LPS) TO RISK MANAGEMENT, SEPARATION
 DISTANCE, AIR TERMINATION LENGTH,
 EARTHING ELECTRODE & SURGE PROTECTION
 TO MS IEC 62305-1 TO -4**

**Speaker by:
 Mr. Hans Slagter**

Name(s)	Membership No. / Grade	Fees (RM)
Sub Total:		
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PAYMENT DETAILS

Cash RM _____

Cheque no. _____ for the amount of RM _____
 (non-refundable) and made payable to "THE INSTITUTION OF ENGINEERS,
 MALAYSIA" and crossed 'A/C Payee Only'.

Terms & Conditions:

- For ONLINE REGISTRATIONS, only ONLINE PAYMENT is applicable [via RHB and Maybank2u -Personal Saving & Personal Current; Credit Card - Visa/Master.
- Payment via CASH / CHEQUE / BANK-IN TRANSMISSION / BANK DRAFT / MONEY ORDER / POSTAL ORDER / LO / WALK -IN will be considered as NORMAL REGISTRATION
- **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 course, the fee is to be settled in full. If the participant failed to attend the course, the fee paid is non refundable. Registration fee includes lecture notes, refreshment.
- The Organizing Committee reserves the right to cancel, alter, or change the program due to unforeseen circumstances. Every effort will be made to inform the registered participants of any changes. In view of the limited places available, intending participants are advised to send their registrations as early as possible so as to avoid disappointment.

Date	:	5th October 2015	7th October 2015
Time	:	9.00a.m – 5.00p.m	9.00am -5.00pm
Venue	:	Dorsett Grand Subang. Petaling Jaya.	Pullman Hotel, Kuching Sarawak.

**Organized by:
 The Institution of Engineers, Malaysia
 Building Services Technical Division &
 IEM Sarawak Branch**

**BEM Approved CPD/PDP Hours: 6.5
 Ref. No.: IEM15/HO/285/S**

REGISTRATION FEES (GST NOT INCLUDED)

**6% GST WILL BE IMPLEMENTED
 EFFECTIVE 1ST APRIL**

Grade	Online Fee	Normal Fee
Student Member	RM 70.00	RM 100.00
Graduate Member	RM 120.00	RM 160.00
Corporate Member	RM 180.00	RM 250.00
Non IEM Member	RM 250.00	RM 300.00

***Closing Date: 18th September 2015**

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LEARNING KEY OUTCOME

Synopsis

It is critically important to design Lightning Protection and Surge Protection System adopting well proven concepts and standards. IEC62305 is one standard widely adopted or modelled upon due to its robust background. In this short course, we will look into various chapters of IEC62305. This is with specific discussions on Risk Assessment and practical implementation of Lightning Protection and Surge Protection solutions to meet IEC62305 Part 3 and Part 4 requirement. We will also demonstrate the usage of software to perform Risk Assessment (according to IEC62305 Part 2) and calculation of Separation Distant (accordingly to IEC62305 Part 3).

PROGRAM

8.30am - 9.00am	Registration
9.00am - 9.10am	Welcome Speech By IEM (SB) Organizing Committee
9.10am - 10.30am	Part 1: General principles to be followed for protection of structures against lightning strikes, including contents, and persons.
10.30am-10.45am	Tea Break
10.45 am - 1.00pm	Part 2: Risk Assessment principles to determine the need for lightning and surge protection. Protection of a structure against physical damage by means of a lightning protection system (LPS), and for protection against injury to living beings due to touch and step voltages in the vicinity of an LPS
1.00pm - 2.00pm	Lunch Break
2.00pm - 3.45pm	Part 3: Design, installation, inspection, maintenance and testing of electrical and electronic system protection (SPM) to reduce the risk of permanent failures due to lightning electromagnetic impulse (LEMP) within a structure. Surge protection against indirect and direct effects of lightning or other transient overvoltage for devices connected to 50/60 Hz a.c. power circuits, and equipment rated up to 1 000 V r.m.s.
3.45pm - 4.00pm	Tea Break
4.00pm - 4.45pm	Part 4: Surge protection of telecommunications and signaling networks against indirect and direct effects of lightning or other transient overvoltage.
4.45pm - 5.00pm	Q & A

WHO SHOULD ATTEND?

- M & E Engineer
- Plant Manager
- BMS & SCADA Installer
- Building & Maintenance Personnel
- Information Technology Engineers

- C & S Engineer
- Insurance Adjuster
- Procurements Personnel
- Lightning Protection Specialist

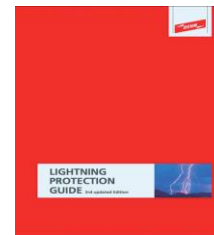
FOR FURTHER DETAILS, PLEASE CONTACT:

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SPEAKER BIODATA

Mr. Hans Slagter, born in Holland in 1946 and has with 43 years' experience in the field of Earthing, Lightning and Surge protection. He obtained an Electrical Engineering diploma from the Vaal University of Technology in South Africa, In 1972 as an Electrical Engineer he started his first Lightning Protection Company in Africa Pontins Earthing & Lightning Protection Company Pty Ltd and became instrumental in the drafting of the first Lightning Protection Standards in Southern Africa, SABS 03 & 03A and represented South African Bureau of Standards on various IEC working group. In 1980 realized the need for internal lightning (surge protection) and started Surge Technology Pty Ltd. a surge protection manufacturing and distribution company. Soon thereafter DEHN + SÖHNE Germany, one of the world's leading lightning and surge protection companies joined forces became a stakeholder in Surge Technology. He has presented and written many technical articles and in 2008 emigrated to Australia with his entire family and is currently providing technical marketing support for DEHN Asia, Australia and New Zealand as well as participating on the Australian Standards working group responsible for revising AS/NZS 5033. From 1972 till now he has provided technical support and been involved the following industries, for example:-

- Sasol II & III Fossil fuel process and chemical processing plants.
- Koeberg Nuclear power station Melkbosstrand, South Africa.
- Railway signaling and HV safety equipment.
- Avionics protection at airport.
- Cathodic protection of oil and gas pipelines.
- Power stations and HV switchyards.
- L.T.E 4G Mobile telephone towers and systems.
- Prison access control and security systems.
- Water treatment and sewage plants.
- Data centers, banks and large office towers.
- Mining industry process plants above and underground.
- Solar and wind power.



**A copy of the Latest 3rd Updated Edition
"Lightning Protection Guide" Technical Handbook
will be given FOC.
Limited to one per participant



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