

**REGISTRATION FORM**  
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Name(s)	Membership No. / Grade	Fees (RM)
Total Amount Payable		

Company: \_\_\_\_\_

Address: \_\_\_\_\_

Mobile: \_\_\_\_\_ Tel(O): \_\_\_\_\_ Fax: \_\_\_\_\_

E-mail: \_\_\_\_\_

(Please write clearly as the "Information Update will be sent via email)

Contact Person: \_\_\_\_\_ Designation: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

### 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
- For online registrations, please note that **payment MUST be made "ONLINE" before the closing date**. If payment is not received and verified within the stipulated time, the registration fee will be reverted to the normal registration fee.
- **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 and lunches.
- 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.

# ONE DAY SEMINAR ON "PROTECTING SYSTEM FROM LIGHTNING AND SURGE ACTIVITY"

By  
**MR. VEIKO RAAB**

**06 June 2013 (Thursday)**  
**9.00 AM – 5.30 PM**

Venue:  
**Sunway Resort Hotel & Spa, Bandar Sunway, Petaling Jaya**

#### REGISTRATION FEES

Grade	Normal Fee	Online Fee
IEM Member	RM 200.00	RM 160.00
Non IEM Member	RM 450.00	RM 400.00

**Closing Date: 1<sup>st</sup> June 2013**

**BEM Approved CPD/PDP Hours: 6.5**  
**Ref. No.: IEM13/HQ/074/S**

**Organised by**



**Building Services Technical Division,  
The Institution of Engineers, Malaysia**

**Sponsored by**



## **SYNOPSIS**

The application of Surge Protective Devices (SPD) for transient voltage protection involves two scenarios:

1. Retrofit of surge protection into system
2. Design of surge protection in new projects

Unfortunately the retrofit of surge protective devices into a system after damage to equipment and/or system is still the most common scenario, but with regard to stable supply of electricity to end-users surge protection should be considered as a vital part of electrical installations.

The design of surge protection requires several steps to be considered. The performance of Surge Protective Devices (SPDs) has to be selected according to the intended purpose of protection. SPDs have to be installed correctly, that there will be no decline in their performance. Surge Protection is a part of the complete protection system of electrical installations of buildings. Surge protection must not interfere with the overcurrent / short-circuit protection of the system and especially not with the protection against electric shock. For this reason SPDs shall be selected and installed carefully. The applicable Malaysian Standards for surge protection are already in line with the standards published by the International Electrotechnical Commission (IEC). In this seminar the correct application of SPDs in line with the MS IEC standards will be discussed.

## **SPEAKER**

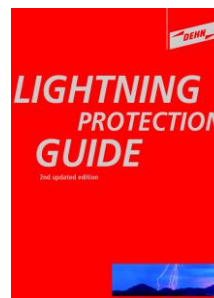
Mr. Veiko Raab received his engineering degree (Dipl.-Ing.) from the Technical University of Ilmenau (Germany) in 1990.

He joined DEHN + SÖHNE GmbH+Co.KG in 1991 and is currently working as a Senior Executive of the International Sales Department. His responsibility is the Asia-Pacific Region.

Prior to taking over his current position he was with DEHN+SOEHNE's application engineering department for more than nine years. During this period he was giving technical support for Lightning and Surge Protection on national and international projects. In parallel he was providing training courses on lightning and surge protection for DEHN's customers as well as a lecturer on training courses organized by the Association for Electrical, Electronic & Information Technologies of Germany (VDE). He is author of several articles published in technical magazines and author of a handbook about Lightning and Surge Protection in Germany.

## **TENTATIVE PROGRAMME**

08.30am – 09.00am	Registration
09.00am – 09.10am	Welcome Speech By IEM(SB) Organising committee
09.10am – 09.30am	Introduction By Wisepro Sdn Bhd
09.30am – 10.30am	Transient Voltage Phenomena in Power Supply System, Classification of Surge Protective Devices (SPDs) and Technical Data
10.30am-10.45am	Tea Break
10.45am – 12.30pm	Installation of SPDs with regard to the protection against electrical shock in power supply systems
12.30pm – 1.00pm	Question & Answer
1.00pm – 2.00pm	Lunch
2.00pm – 3.15pm	Installation of SPDs with regard to the overcurrent / short-circuit protection in power supply systems
3.15pm-3.30pm	Tea Break
3.30pm-4.45pm	Discussion of Technical data that need to be included in technical specifications of SPDs
4.45pm-5.15pm	Question & Answer
5.15pm	End of seminar



**(A copy of Lightning Protection Guide Technical Handbook will be given, kindly please collect your copy of Technical Handbook upon Collection of your certificate (1<sup>st</sup> come 1<sup>st</sup> serve basis))**

### **FOR FURTHER DETAILS, PLEASE CONTACT:**

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