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REGISTRATION FORM
HALF DAY SEMINAR ON “THE IMPORTANCE OF SURGE PROTECTION”
(Closing Date: 15th October 2019)

No	Name(s)	M'ship No.	Grade	Fee (RM)*
SUB TOTAL				
Total Payable				

***Fees MUST be fully paid BEFORE the CLOSING DATE. Seats could only be confirmed upon payment.**
 Enclosed herewith a crossed cheque No: _____ for the sum of RM _____ issued in favour of **“The Institution of Engineers, Malaysia”** and crossed ‘A/C payee only’. I/We understand that the fee is not refundable if I/We withdraw after my/our application is accepted by the Organising Committee as stated in the **cancellation term**. If I/We fail to attend the seminar, the paid registration fee will not be refunded.

Contact Person: _____ Designation: _____

Name of Organization: _____

Address: _____

Telephone No.: _____ (O) _____ (Fax)

_____ (H) _____ (HP)

Email: _____

 Signature & Stamp Date

Photocopies are acceptable

PERSONAL DATA PROTECTION ACT
 I have read and understood the IEM's Personal Data Protection Notice published on IEM's website at <http://www.myiem.org.my> and I agree to IEM's use and processing of my personal data as set out in the said notice.



HALF DAY SEMINAR ON “THE IMPORTANCE OF SURGE PROTECTION”
17 OCTOBER 2019

Organised by
ELECTRICAL ENGINEERING TECHNICAL DIVISION, IEM
 In cooperation with
Novaris Technologies (M) Sdn Bhd

Venue: Malakoff Auditorium, Ground Floor, Wisma IEM, PJ
Time: 9.00am – 1.00pm
Speaker: Mr. Phillip Tompson
BEM Approved CPD/ PDP hours: 3.5 Ref Number : IEM19/HQ/471/S

REGISTRATION FEES		
	ONLINE	NORMAL (Offline)
IEM Student Member	RM50.00	RM80.00
IEM Graduate Member	RM100.00	RM150.00
IEM Corporate Member	RM100.00	RM150.00
Non-IEM Member	RM200.00	RM250.00
SST shall be at 6% with effect from 1 Mac 2019		

- 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.
 - Fee paid is not 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,

SPEAKERS' PROFILE

Phillip Tompson is the Founder and Managing Director of Novaris Pty Ltd. He holds an honours degree in Electrical Engineering from the University of Queensland 1979. He has been a practicing electrical engineer for 40 years and has specialised in the field of lightning protection for the last 25 years. He is a Chartered Professional Engineer, a Fellow of the Institution of Engineers, Australia, a member of the Institution of Electrical Engineers (UK) and a member of the IEEE. He is currently the Institution of Engineers, Australia nominated representative on Australian Standards committee EL-024 responsible for the preparation of AS1768, the Australian Standard on Lightning Protection. He represents Australia on IEC committees TC81 and SC37A responsible for IEC standard series IEC 62305 and IEC.

CANCELLATION POLICY

IEM reserves the right to postpone, reschedule, allocate or cancel the course. Full refund if cancellation is received in writing more than 7 days before start date of the event. No cancellation will be accepted prior to the date of the event. However, replacement or substitute may be made at any time with prior notification and substitute will be charged according to membership status.

SYNOPSIS

This paper first presents a general discussion of the IEC standards relating to lightning and surge protection. These comprise the IEC standard series IEC62305 and IEC61643 which have been adopted in Malaysia. The paper will present a summary of the lightning risk standard IEC62305-2, examine how it can be used and present a spreadsheet analysis that simplifies the procedure. From this analysis the paper will show how surge protection can be dimensioned and applied. A method of sizing SPDs will be presented. Part of the risk process identifies the possible need for primary and secondary surge protection. Their differences will be examined. By examining test waveforms and the performance of SPDs under various standard tests proper installation techniques can be identified. This leads to an examination of one port versus two port SPDs.

Methods of overcurrent protection and coordination with upstream fuses and circuit breakers will be presented.

Time	TENTATIVE PROGRAM
8.00am - 0900am	Registration
0900am – 0945am	Summary of IEC standards and risk assessment
09.45am – 10.30am	Primary and secondary surge protection, waveforms and tests
10.30am – 10.45am	Tea Break
10.45am – 11.30am	One port versus two port SPDs and overcurrent protection
11.30am -12.15pm	Signal/data SPDs, integration and case studies
12.15pm – 1.00pm	Case study Axle counters
1.00pm	End of the Course