



**The Institution of Engineers, Malaysia (IEM)**  
**One Day Symposium on Protection Against Lightning**  
**27<sup>th</sup> November 2014 (Thursday)**  
**Dorsett Grand, Subang, Malaysia**

**BEM Approved CPD/PDP Hours:**

**Symposium : 6 CPD**

**Ref No : IEM14/HQ/363/S**



## THE SYMPOSIUM

The Electrical Engineering Technical Division of The Institution of Engineers, Malaysia (IEM EETD) is organizing an international symposium on protection against lightning on 26<sup>th</sup> November 2014.

### Who should attend?

This symposium is aimed at providing a forum for practicing professionals – Engineers, Consultants, Contractors, Technologists, Researchers, Academicians, Manufacturers, Architects, Quantity Surveyors, Building Owners/Developers, Government Bodies, Construction/Project Managers, Facility Management Personnel's & Planners.

### Exhibition

A Technical Exhibition will be organized as an integral part of the symposium. Project experience, design solutions, and application of sustainable solutions for lightning protection focusing on technology and state-of-the-art information will be highlighted.

## TENTATIVE SYMPOSIUM PROGRAMME

8.00am	Registration
8.30 am	Welcoming Address by IEM
8.40 am	Opening Address by Representative From Suruhanjaya Tenaga & Token of Appreciations to Sponsors / Visit to Exhibition Booths / Refreshment
9.15 am	Keynote speaker - Professor Liew Ah Choy
9.45 am	Application of the MS IEC 62305 Lightning Protection for the MRT Project : Highlighting the MRT Underground Stations – Dato Jimmy Lim
10.15 am	<b>MORNING TEA BREAK</b>
10.30 am	Lightning Parameters for Engineering Applications and Lightning Research in Malaysia – Prof Ir. Dr Zainal Abdin Abdul Kadir, UPM
11.00 am	Air Terminal Placement: The Key to an effective lightning protection of Structure's" – Mr Hartono Zainal Abidin
11.30 am	Protection against Lightning for TNB premises (Substations, Transmission and Distribution Line) – Ir. Noradlina Adullah
12.00 pm	Lightning protection for solar PV farm - Mr. Wee Chek Aik
12.30 pm	<b>LUNCH</b>
2.00 pm	Regulatory Framework, Development of Standards and Requirement for Protection against Lightning – Ir. Hj . Abdul Rahim B. Ibrahim – Energy Commission
2.30 pm	TC 81: Development and requirements of IEC Standards on Protection Against Lightning - Mr. Masaaki Sato
3.00 pm	Protection of Electrical and Electronic Equipment and Systems against LEMP - Ir. KT Lim
3.30 PM	<b>AFTERNOON TEA BREAK &amp; EXHIBITION</b>
3.45 pm	Inspection and Maintenance Of Lightning Protection System : Highlighting Structural Protection for Petrochemical Plants, Power Stations and Commercial Buildings– Mr. Thomas Yeo – Tokai Singapore
4.00 pm	Q & A Session – Chaired by Prof. Liew Ah Choy
5.00 pm	The Symposium Ends

## SPEAKERS PROFILE

**Prof Liew Ah Choy** is an academician and researcher is currently the Professor Fellow in National University of Singapore (NUS) with over 40 years of experience and 285 journal publications in lightning protection, high voltage and power quality and power systems engineering.

**Dato' Jimmy Lim** is an Electrical Engineer and the founder/CEO of Tokai Group of Companies. Tokai is company specializing in the field of lightning protection and security solution in Malaysia. Dato Jimmy is leading the project team for the MRT Project involved in designing and installation of Earthing System.

**Mr. Thomas Yeo** is an expert in Lightning protection installation and maintenance as well as Lightning protection audit in accordance to MS IEC 62395 lightning protection standard as well as SS 555: 2010 Singapore lightning protection standard. He also undertakes lightning risk management studies in accordance to MS 62305 to determine prevailing risks of lightning protection installations and implement measures to mitigate such risks.

**Prof Ir. Dr. Mohd. Zainal Abidin Ab Kadir** is currently the Deputy Dean (Research & Innovation) and Professor at the Faculty of Engineering, Universiti Putra Malaysia, Selangor, Malaysia. He is also the Director at the Centre for Electromagnetic and Lightning Protection Research (CELP), Universiti Putra Malaysia.

**En. Hartono Zainal Abidin** has been actively involved in lightning protection as an engineer in the telecommunication industry since 1980. He has been conducting forensic analysis and studies on lightning damaged low voltage electrical and electronic systems in various industries and also in buildings.

**Mr. Maasaki Sato** has been involved in providing lightning solution in Japan since 1997. He sits in the TC81 (Lightning Protection) Japan National Committee and participate in the IEC TC81 Plenary meeting, WG, and MT meeting as a Japanese Representative expert.

**Ir. Noradlina Abdullah** is an Electrical engineer with TNB Research Sdn Bhd. She has more than 10 years working experience in managing and operating Lightning Detection System Network for TNB. Currently she is attached with Lightning & Earthing research group as Technical Expert (Lightning Protection).

**Mr Wee Chek Aik** has over 17 years of experience in earthing, lightning and surge protection industry. He involves in the R&D of PV surge protection devices under the PEKAT brand based on latest EN50539 guideline and protection topology for PV module and inverter.

**Ir. Hj. Abdul Rahim B. Ibrahim** is a Director of Electrical Safety Regulation Department of Energy Commission, Malaysia. In brief, the main role is to regulate safety in electrical activities in accordance to the provisions set forth by the Acts and Regulations. Actively participate in ASEAN work group on Electrical and Electronics Equipment and currently Chair of National IECEE CB .

**Ir. Lim Kim Ten** has more than 30 years service in the industry having started in the semiconductor industries (8 years), followed by 3 years in Singapore Polytechnics as lecturer and industrial consultant. He is actively involved in Malaysia Standards (MS) in low voltage electrical engineering.

The Organising Committee reserves the right to alter or change the programme due to unforeseen circumstances. Every effort will be made to inform the registered participants of any changes.

### SYMPOSIUM Registration Fees:

	*Online (RM)	Normal (RM)
IEM Student Members	150.00	180.00
IEM Graduate Member	250.00	300.00
IEM Member	400.00	450.00
Non Member	550.00	600.00

Registration fees for the symposium include full participation at the symposium, a set of symposium proceedings in CD, lunches, coffee breaks Foreign participants may pay the registration fees in Ringgit Malaysia or USD equivalent.

\*For Online Registration, please log on to [www.myiem.org.my](http://www.myiem.org.my) for further details.

The closing date for the registration of the symposium is by 14th November 2014.

## Registration Form

Name(s)	Organization	Grade & M/ship No.	Fees (RM)
Total Amount Payable			

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 Additional Information required – please tick if applicable

I am a vegetarian

Organization : \_\_\_\_\_

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

\_\_\_\_\_

Mobile No. : \_\_\_\_\_ Tel No.: \_\_\_\_\_ Fax No. \_\_\_\_\_

Email : \_\_\_\_\_

*Please write clearly as the confirmation letter will be sent via email*

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

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

### PAYMENT DETAILS

Enclosed herewith a crossed cheque No \_\_\_\_\_ for the sum of RM \_\_\_\_\_ issued in favor 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/are accepted by the Organising Committee but substitution of participants will be allowed. If I /We fail to attend the conference, I/We will settle the registration in full.

**All fees must be fully paid before the commencement of the conference**, otherwise participants will not be allowed to enter the hall. Reservation/Booking by fax or email of intending participants are acceptable with payment being forwarded before the closing date. If a place is reserved and the intended participants failed to attend the conference on the date of the event, the fee is to be settled in full. The fee paid is non refundable. However substitution of participants(s) will be permitted with approval by IEM. In view of the limited places available, intending participants are advised to send their registration as early as possible so as to avoid disappointment.