TEEAM Series of Technical Talks 03/2024

"Surge Protection & Applications of SPDs"

THE ELECTRICAL AND ELECTRONICS ASSOCIATION OF MALAYSIA
TEEAM
Since 1952

Want to know more about the sizing of the back up fuse, the earthing system and the effective discrimination of the back up fuse with respect to the type and the class of SPD (Surge Protection Device), the 4+0 and the 3+1 of the SPD and the correct location to install the SPD?

MR. RITESH LUTCHMAN

IR. CHRIS S F CHEW

"BEM CPD 3 hours
CIDB CCD 5 points"

Date : 19th November 2024 (Tuesday)
Time : 9.00am – 1.00pm
Venue : TEEAM Seminar Hall,
No. 5-B, Jalan Gelugor,
Off Jalan Kenanga,Kuala Lumpur
Fee : RM30 for TEEAM Member
RM60 for Non-TEEAM Member

Programme:

09.00 am: Registration
09.30 am : Welcome Remarks
09.35 am : Protection against lightning – Electrical and electronic systems within structures (MS IEC 62305: Part 4)
11.00 am: Coffee Break
11.15 am: How can we promote the application of SPDs to existing homes and offices that may not have been equipped with them?
12.30 pm: Q & A
01.00 pm: End

Registration: bit.ly/4gSaptf

Mr. Ritesh Lutchman

Topic: Protection against lightning – Electrical and electronic systems within structures (MS IEC 62305: Part 4)

Synopsis:
Malaysia has one of the highest lightning strike density in the world due to its tropical climate. Damage to electrical and electronic components is very common. The use of surge protection to protect these equipment is very important and there is a lot of products that offer these protection capabilities. How do we as designers and consumers of these products select the right surge protection according to our application? This seminar will provide a guideline on how to select the right SPD, understand the SPD ratings and technology, where to place SPD for optimal protection, how to connect the SPD in the electrical circuit, protect the electrical circuit in case of end of life and/or failure and some practical applications of surge protection devices.

CV:
Mr. Ritesh Lutchman is currently the Senior Sales and Marketing Manager at Wisepro Sdn Bhd. He graduated from the University of Cape Town with a Master's Degree with honours in Electrical Engineering. He has been working in the industry for the past 15 years and has gathered great experience in the design, installation, troubleshooting and site works for the industries mentioned above. He has also received extensive training on the Lightning Protection at Dehn headquarters in Germany based on the relevant IEC 62305 standard.

Ir. Chris S F Chew

Topic: How can we promote the application of SPDs to existing homes and offices that may not have been equipped with them?

Synopsis:
Although the benefits of SPDs are especially useful in a country like Malaysia where lightning activities are frequent throughout the year, many switchboards and sub-boards are not equipped with the relevant SPDs. There is a need to retrofit the electrical boards with the relevant type of SPDs in order to provide protection and reduce the failure of equipment and appliances.
There is a need to create awareness on this matter so that the general public can be educated on this subject matter.
The talk will deal with some case studies to reinforce the need for SPDs.

CV:
Ir. Chris S F Chew, KMN B Sc (Hons) (Strathclyde), CEng, FIEM, MIEE Member, IEEE Member, 1st Grade Electrical Engineer (Competent up to 500 kV). Ir. Chew was President of The Electrical and Electronics Association of Malaysia (TEEAM) for 2001-2005 and 2013-2017. He was the President of the ASEAN Federation of Electrical Engineering Contractors (AFEEC) for 2016-2018. He is a Past Chairman of The Institution of Engineering & Technology (IET) Malaysia Local Network. Ir. Chew is the Managing Director of G H Liew Engineering (1990) Sdn Bhd and Chris Chew Electrical Consultant. He graduated from the University of Strathclyde. Glasgow with a B Sc (Hons) in Electrical & Electronics Engineering. He is a Professional Engineer and is also licensed by the Energy Commission as a Competent Engineer (without voltage limits) and a Service Engineer to carry out electrical testing up to a voltage of 500 kV. He has more than 30 years of industry experience in electrical control and relay protection. He is also specialised in electrical site tests on power equipment, electrical fault investigation, service and maintenance of electrical switchgears and relays. His work also includes electrical supervision of sub-stations and electrical audit. He also presents lectures on electrical apparatus and the protection system. He was Vice-Chairman of MYENC (Malaysian Electro-Technical National Committee) and is a Member of Technical Committees (TCs) and Working Groups (WGs) in Standards Development.