



THE INSTITUTION OF ENGINEERS, MALAYSIA

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Talk on “LLL & GoT” - (Life Long Learning & Google of Things)

Organised by: the Electrical Engineering Technical Division, IEM
BEM approved CPD Hours: 2 Ref No: IEM16/HQ/264/T

Date : 1st October 2016 (Saturday)
Time : 11.00am – 1.00pm
Venue : Cs &TUS Lecture Hall, 2nd Floor, Wisma IEM, Petaling Jaya
Speaker : Ir. Lee Chong Kiow

SYNOPSIS

There is so much free information on the Internet. It is up to us to make use of it as a tool in the process of Life Long Learning. The talk basically offers samples of some of the fascinating facts that are readily available if you choose to embark on a journey of discovery.

The talk covers the following:

1. History of the word electricity
2. War of the Currents between DC/Edison and AC/Tesla
3. Tesla's egg of Columbus
4. What is the smallest number of components needed to make a motor?
5. Which is more dangerous – AC or DC?
6. Which is more dangerous – a 600V electric eel, a 50kV taser or a 2MV Van de Graaff generator?
7. What is the current required by to start a car?
8. Is it possible to start a car using penlight batteries?
9. Is the car generator an AC or a DC machine? Why?
10. What do you call a DC generator?
11. What is the frequency used in an aeroplane generator?
12. Using the transformer emf equation, quantify the advantage
13. Which is more dangerous – electric shock or arc flash?
14. What is the difference between an ELCB and a RCCB? Why ELCBs should not be used?
15. Tesla coil sound machine

Speaker's Biodata

Ir. Lee Chong Kiow is currently a director of VI Power, which specialises in providing technical training on electrical equipment and performing power system studies. He holds a BSc (Hons) (Electrical & Electronic Engineering – 1974) and an MSc (Power System Engineering – 1977), both from the University of Strathclyde, Glasgow.

He was previously the Engineering Manager of a company manufacturing indoor MV and LV switchgear. Prior to that, he spent more than five years as an Associate Director in a large consultancy practice and another 15 years working as a protection engineer in the former National Electricity Board. He is also a Suruhanjaya Tenaga competent/services engineer up to 275kV.

Over the last 19 years, he has trained more than 6,400 technical staff from utilities, petro-chemical, multi-national and other industrial companies throughout South-East Asia. China, India, Oman, Mauritius & Africa on a variety of power engineering topics.

Ir. Yau Chau Fong
Chairman
Electrical Engineering Technical Division, IEM

ANNOUNCEMENTS TO NOTE:

- Preferential admission to talk shall be accorded to IEM members (**pre-registration and online registration are NOT required**).
- **Non members may also attend the talk but will need to pay a registration fee of RM50 and an administrative fee of RM15. GST is inclusive.**
- **Members of affiliated organisations upon producing their membership cards will be exempted from paying registration fee. Administrative fee is nevertheless applicable.**
- Limited seats are available on a "first come first served" basis (maximum 100 participants).
- IEM members are reminded to produce membership cards for confirmation of attendance (CPD purpose) failing which a fee of RM25 will be imposed. GST inclusive.

ADMINISTRATIVE FEE

- Kindly be informed that an administrative fee of **RM15** is payable for talks organized by IEM. GST is inclusive.
- The fee would be used to cover overhead costs, building maintenance expenses as well as contribute to Wisma IEM Building Fund.
- All contributions will be deeply appreciated by IEM.
- Student Members are however exempted.

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Membership No:

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