

Chairman  
 Special Committee on IEM Structured Training  
 c/o The Institution of Engineers, Malaysia  
 P O Box 223 (Jalan Sultan), 46720 Petaling Jaya

Fax No. : 03 – 7957 7678



**BEM APPROVED**  
**PDP Hours:**  
**IEM17/HQ/287/C**  
**CPD/PDP Hours: 144**

**24-SATURDAY COURSE ON ELECTRICAL DESIGN  
 ENGINEERING**

REGISTRATION FORM

No	Name (s)	M'ship No	Grade	Fees (RM)
			Total Payable	

Enclosed herewith a 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 registration is accepted by the Committee.

Contact Person .....

Designation : .....

Name of Organisation .....

Address .....

.....

Tel (O) : ..... Tel (R) : .....

Fax No. : ..... E-mail : .....

Signature

Date

(Photostated copies are acceptable)

**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.

**24-Saturday Course On  
 "ELECTRICAL DESIGN ENGINEERING"**

Commencement Date: 4 November 2017

**Facilitators/Trainers:**

Ir. Prof. Dr Lim Yun Seng MIEM, PEng; Ir. Lim Kim Ten MIEM, PEng  
 Ir. Yau Chau Fong MIEM, PEng ; Ir. Roger Wong Chin Weng MIEM, PEng  
 and Ir. Surenthira Stephen Ramachanderan MIEM, PEng

Venue: IEM Building

Time: 9.00am-5.00pm

**\* Limited to 25 Participants only \***

**REGISTRATION FEE:**

**Normal Rate**

**IEM Corporate / Graduate Members**

RM 9,600.00 (inclusive of GST)

\* The fee is payable in a maximum of two (2) installments:

- i) 80% for the first installment (to be paid 2 weeks before commencement of course)
- ii) 20% for the second installment (to be paid on the 1<sup>st</sup> week of the 3<sup>rd</sup> month).

Groups of 3 or more from same organization
- 20% discount for each registrant who is a Graduate Member
- 15% discount for each registrant who is a Corporate Member

**Online Rate**

Graduate Member	RM 8160 (inclusive of GST)
Corporate Member	RM 8640 (inclusive of GST)

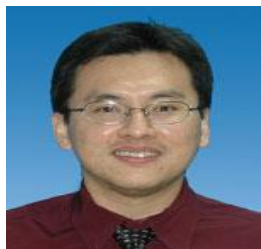
**IEM Non-Member (Normal Fee)** : RM10,560.00 (inclusive of GST)  
**(Online Fee)** : RM10,032.00 (inclusive of GST)

Groups of 3 or more from same organisation, 10% discount for each registrant who are non-IEM Members * <i>applicable to normal rate</i>
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**\* Closing date for Registration: 3 November 2017**

Organised by:  
 Special Committee on IEM Structured Training  
 The Institution of Engineers, Malaysia

## Biodata of Facilitator



**Ir. Prof. Dr. Lim Yun Seng** pursued his undergraduate in Electrical and Electronic Engineering at the University of Manchester Institute of Science and Technology (UMIST), United Kingdom, in 1998. Subsequently, Lim pursued his PhD at UMIST in the area of power system from September 1998 to September 2001. In 2002, he worked as a postdoctoral research assistant at UMIST in the area of renewable energy. In 2003, he joined Econnect Ltd, United Kingdom as an R&D Engineer specialising in research on the integration of renewable energy sources with the power system networks. Ir. Dr. Lim started his academic career at Universiti Tunku Abdul Rahman (UTAR) in 2005.

Over the past 9 years, Dr Lim has secured 11 external research grants from The Ministry of Green Technology, Water and Communication, The Ministry of Science, Technology and Innovation as well as The Ministry of Higher Education for the research projects on smart grid and renewable energy. The total amount of research grants received so far is RM 4.33 million or USD 1.23 million. Dr Lim has published 24 international journals with the total citations of 300 at h-index of 8. He has filed 4 patents on his inventions. One of the patents is filed with the Chinese State Intellectual Property Office. Of all his 12 postgraduate students, Dr Lim has successfully graduated 7 postgraduate students so far. He has carried out 12 consultancy projects for various industries, universities and engineering societies with the total fees of RM 33,000.00. Dr Lim won 16 international and national awards such as Gold Medal in 2013 International Invention & Innovation Exhibition, KASS Best Invention of the year 2012 and UTAR Best Invention of the year 2013. Dr Lim has consistently received good teaching scores from his students for teaching energy-related subjects in the undergraduate and Master courses. He is the Professional Engineer and CEng registered with Board of Engineer Malaysia and UK Engineering Council respectively. He is the full member of IET, IEM and IEEE .



**Ir. Yau Chau Fong (YCF)** has a total of 15 years working experience mainly in large and reputable consultant firms. He has established his own M&E consultancy practice. His exposure includes mainly large scale Electrical System design for various types of buildings, plants & aviation industries, RE plants & data centres. His experiences include design, implementation and contracting for Electrical Building Services of various types of buildings from specialised buildings such as hangars, MRT Stations & data centres to highrise buildings, both locally and overseas.

YCF has and is still playing an extensively active role in The Institution of Engineers, Malaysia, the primary organization encompassing the professionals in engineering in Malaysia. He is currently the chairman of the IEM Electrical Engineering Technical Division. He has been involved in IEM since 2001, rising from just a young engineer volunteer to now the senior ranks.



**Ir. Lim Kim Ten** graduated in B.E (Hons) from University of Malaya in 1979 and M.Sc. (Electrical) from National University of Singapore in 1990. He has extensive experiences in low voltage electrical installations of buildings, industrial, healthcare facilities, and oil and gas industries. He is actively involved in Malaysian low voltage electrical standard developments, especially low voltage electrical installation standards such as alternate member of MyENC: Malaysian National Electrotechnical Committee, SMO-Ej-TC1: Standard Writing on Electrical Installation, Protection and Insulation, and Technical Committee developing Malaysian standards for healthcare facilities. Moreover, Ir. K.T. Lim is actively involved in electronics, systems and PCB design engineering, as speaker in conferences and course instructor in specialised industrial electrical and electronic engineering.

Besides that, he is a Professional Engineer (Electrical) BEM and also a Corporate Member of IEM and actively involved as;

- Chairman, Membership Board, Board, IEM
- Committee member, Training Board, IEM
- Committee member, Logbook Training Scheme Committee, IEM
- Committee member, Admission and Professional Training Committee, IEM
- Committee member of Electrical Engineering Technical Division, IEM



Ir. Surenthira Stephen Ramachanderan is the Director of Pinnacle Quest Consulting Engineers Sdn Bhd, a company that focuses on Mechanical, Electrical, Green, Energy Efficiency, Renewable Energy, Power Quality, and TES Avenue Sdn Bhd, a company that focuses on Mechanical & Electrical specializing in Thermal Energy Storage system with over 25 years of extensive hands-on and design experiences in facilities operation, maintenance, electrical, sustainability consulting as well as experience in energy management services.

Recognizable key involvements in his career includes being part of the pioneering project team in the design and built of the first semiconductor wafer plant in Malaysia for M/S Khazanah National Berhad Malaysia. This semiconductor wafer plant is now known as Silterra Malaysia Sdn Bhd, was awarded the best Fab in the world for year 2000. Besides, he was also one of the pioneers in LEED certification consultancy for green buildings in Malaysia, successfully certifying key landmark buildings for Sime Darby. Current projects include mechanical & electrical works for luxurious housing projects, hospitals, training institution, offices, hotels, industries and as well as energy efficiency/sustainable works for government hospitals and mixed development.



Ir. Roger Wong Chin Weng, PEng, MIEM, REEM, ASEAN Engineer is a Competent Electrical Engineer and an Electrical & Energy Management consultant who has accumulated more than 15 years of working experience with at least 12 years in leadership experience. He graduated with a BEng (Hons) in Electrical and Electronic Engineering from University of Tenaga Nasional (UNITEN), and a Masters in Power Engineering from University of Malaya (UM). He completed his Masters with thesis on the technical impact of connecting

large scale of embedded generation to the medium voltage network.

He has served TNB from 2002 to 2008 in various capacities, including Operation & Maintenance Engineer and HRD Assistant Manager. From 2008 to 2012, he served ALSTOM Power (Malaysia) in various capacities including Site Manager, Lead Electrical Engineer and Electrical Commissioning Engineer. In February 2012, head-hunted by Mun Hean (Malaysia), a solution provider in lightning protection, power factor correction, power quality and energy management, he was offered to become the Senior Technical Manager. Two years later, in May 2014, Pathgreen Energy head-hunted and offered him a Senior Manager role. Pathgreen is a solution provider in environmental and renewable energy sector. He was subsequently promoted to General Manager after 6 months.

## Abstract

Over the years, it has been observed that many graduate engineers are unable to present themselves for the Professional Interview (PI) conducted by the IEM because they possess insufficient design experience, which is a prerequisite. This intensive design course will therefore prepare potential candidates for the said PI.

## Course Overview

This course is to provide the candidate the knowledge to design electrical distribution system for domestic, commercial and industrial installations to ensure safety and proper functioning, and comply with the requirements of international design standards.

## Course Objectives

The objectives of this course are listed below.

1. Design the electrical services and distribution system for domestic, industrial and commercial buildings complying with the design standards.
2. Apply international standards for the design and selection of electrical equipment for the intended use.

3. Understand the safety and functional requirements for electrical installations.
4. Identify the role of the design in the buildings and industrial processes.

## Course Format

The course consists of formal content presentation. The presenter's style involves intensive participant participation

## Information on Registration

Registration fees covers one set of course notes, refreshments and lunch. Reservation/Booking by fax or email of intending participants are acceptable with partial payment being forwarded before the closing date. If a place is reserved and the intended participants failed to attend the course 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.

The Special 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.

If you require further details or clarifications kindly contact the IEM Secretariat at:

**The Institution of Engineers, Malaysia**  
**Lot 60/62, Jalan 52/4**  
**46720 Petaling Jaya**  
**Selangor Darul Ehsan**  
**Tel: 03-7968 4001/02**  
**Fax: 03-7957 7678**  
**Email: sec@iem.org.my**