

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: *in the***  
***process of applying***

**6-MONTH COURSE ON ELECTRICAL DESIGN ENGINEERING**

**24-Day Extensive Design Course On  
 "ELECTRICAL ENGINEERING"**

REGISTRATION FORM

Commencement Date: January - June 2016

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

**Trainers/Facilitators:**

Prof. Ir. Dr Lim Yun Seng MIEM, PEng; Ir. Dr Koh Siong MIEM, PEng  
 Ir. Lalchand Gulabrai MIEM, PEng and Ir. Surenthira Stephen  
 Ramachandran MIEM, PEng

**Venue: Wisma IEM**

**Time: 9.00am-5.00pm**

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)

**\* 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)

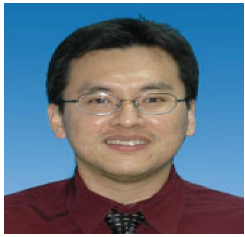
**IEM Non-Member (Normal Fee)** : RM10,560.00 (inclusive of GST)  
**(Online Fee)** : RM10,032.00 (inclusive of GST)

Groups of 3 or more from same organisation, 10% discount for each registrant who are non-IEM Members <b>*applicable to normal rate</b>
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**\* Closing date for Registration: 1 January 2016**

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 studies 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. Dr. Koh Siong Lee is a graduate of Mississippi State University, USA with more than 15 years of experience working in the industry. As an electrical engineer, he has had the opportunity to be involved in many development projects in the country, ranging from rural school developments in Sabah to high profile buildings in Putrajaya. He found his passion in sustainable development when he was assigned to the project of the first low energy building in Malaysia. Subsequently, he pursued his interest in this area further by completing his Master and PhD degree in Renewable and Sustainable Energy.

Ir. Dr. Koh is currently an Assistant Professor with Heriot-Watt University Malaysia, with research interest in Sustainable Energy. Dr Koh is a member of IEM, registered professional engineer (electrical) with Board of Engineers Malaysia, International Professional Engineer, APEC Engineer, and Green Building Facilitator.



Ir. Lalchand is an electrical engineering graduate from the Brighton College of Technology United Kingdom (1963) .He served the main electricity supply utility in Malaysia, TNB, for a total of about 37 years (including on special assignments after mandatory retirement in 1994), mainly in Distribution Management, Corporate Planning and Corporate Audit. He was engaged after his retirement to establish a “Loss Management Unit” and was involved in developing distribution system planning guidelines.

He has been involved in various activities related to policy development and promotion of Energy Efficiency, Renewable Energy, Green Technology, and Sustainable Development covering green buildings and materials, transport infrastructure and power supply. He was involved in the development of Malaysia's first successful RE (Biomass – EFB) power plant in Sabah. He was also involved in various DANCED/DANIDA and UNDP/GEF projects from 1999 until 2011. He was appointed as a Fellow of the Akademi Sains Malaysia (ASM) in 2014. Ir. Lalchand is a strong supporter of EE, RE and Sustainable Development and is still passionate about these issues. He is currently engaged as a Director at G&P Professional Sdn.Bhd. and G&P M&E Sdn. Bhd., a Fellow of the ASM, he represents it in various government fora on energy related issues and policy formulation activities, as well as in AEMI (ASEAN Energy Market Integration, initiated and sponsored by the Chulalongkorn University of Thailand) activities, an Advisor to the FMM-MIMG (Federation of Manufacturers Malaysia – Malaysian Insulation Manufacturing Group), an Energy Advisor to Mensilin Holdings Sdn. Bhd., appointed as an Adjunct Professor by UCSI at “Faculty of Engineering, Technology and Built Environment” (from 1 July 2013 to 30 June 2015) and a member of the IEM's Position Paper Coordinating Committee. Ir. Lalchand has had some articles on energy published in the IEM Bulletins and has been a keen contributor on similar topics on various energy-related threads on LinkedIn, and a couple of local blogs on energy. He has also written responses to some energy related issues in the local press, particularly to try to “correct misrepresented or skewed information”.



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.

## **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 contract 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](mailto:sec@iem.org.my)**