

## 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: 16 January 2021

### Facilitators/Trainers:

Ir. Prof. Dr Lim Yun Seng MIEM, PEng; Ir. Lim Kim Ten MIEM, PEng  
Ir. Roger Wong Chin Weng MIEM, PEng; Ir. Dr Wong Jianhui MIEM

Venue: Bangunan Ingenieur

Time: 9.00am-5.00pm

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

### REGISTRATION FEE:

#### Normal Rate

#### IEM Corporate / Graduate Members

RM 9,600.00 (inclusive of SST)

\* 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 SST)
Corporate Member	RM 8640 (inclusive of SST)

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

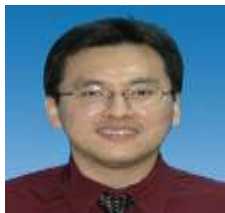
Groups of 3 or more from same organisation, 10% discount for each registrant who are non-IEM Members **\*applicable to normal rate**

**\* Closing date for Registration: 14 January 2021**

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

**BEM APPROVED**  
**PDP Hours: 144**  
**IEM20/PDP/004/C**

## 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, Ir. 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. Ir. 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, Ir. 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.

Ir. 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



Jianhui Wong is a professional engineer in electrical engineering awarded by the Board of Engineer Malaysia (BEM); a HRDF certified trainer and corporate member of the Institute of Engineers Malaysia (IEM). She has received her B.Eng. (Hons) Electrical and Electronic Engineering, MSc. Eng. and Ph.D. Eng. (Electrical) from Universiti Tunku Abdul Rahman (UTAR). Currently, she is attached to the Department of Electrical and Electronic Engineering, UTAR as an Assistant Professor. Ir. Dr. Wong Jianhui has 8 years of research experiences, to date, she has actively involved as the principle and co-researcher in the research

projects receiving a total amount of RM 2.2 Million funded by national and international agencies including Malaysia Electricity Supply Industries Trust Account (MESITA-AAIBE), British Council Ungku-Omar Newton Fund, Ministry of Higher Education Fundamental Research Grant Scheme and UTAR Internal Research Funds. Her research interests including power system study, energy management and smart grid.



**Ir. Roger Wong** - PEng, MIEM, REEM, GBIF, CEM, IntPE, APEC Eng, ASEAN Eng; is a GCPV Solar Designer, 11kV Competent Electrical Engineer and an Energy Management and Renewable Energy consultant who has accumulated more than 18 years of working experience with at least 16 years in leadership experience.

He is currently serving as Managing Director of MH Technology Malaysia Sdn. Bhd and as General Manager of Mun Hean (Malaysia) Sdn Bhd. During his tenure there, he played a pivoted role in pioneering new ventures into Project Energy Management for Mun Hean. Prior to that, he was appointed as the AVP, Regional Head of Energy Management of edotco Group effective 1st June 2016. Roger took the responsibility for sourcing the best in class solutions in Energy Management for edotco's Group of companies including Malaysia, Bangladesh, Pakistan, Sri Lanka and Cambodia. edotco is ASEAN's largest tower infrastructure company, managing more than 16,000 towers across the region. A Professional Engineer (PE) by practice, Roger has over 16 years of experiences as a Senior level leader in fast growth companies. Lived and worked globally in Malaysia, United Kingdom, Middle East and other countries in Asia have given him the exposure to different working and management cultures and experiences. Prior to joining edotco, Roger was the General Manager of Pathgreen Energy Sdn. Bhd., since 7th May 2014. He was responsible for the running of the company. He also drove the end-to-end business transformation of Pathgreen; an award winning Renewable Energy (RE) Service Provider. Prior to that, Roger was at ALSTOM where he held senior roles such as Site Manager and Lead Engineer. Before joining ALSTOM, Roger spent six years with Tenaga Nasional Berhad (TNB) where he held roles in Operation & Maintenance and Human Resource Development. He holds an undergraduate degree in Electrical and Electronic from University of Tenaga Nasional (UNITEN) and a Master in Power Engineering from University of Malaya (UM).



**Ir. Lim Kim Ten** graduated in B.E (Hons) from University of Malaya 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,

SWO-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;

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

## **Abstract**

Over the years, it has been observed that many graduate engineers are unable to present themselves for the Outcome Based 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. The fee paid is non refundable. 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**  
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