

The Special Committee on Structured Training (SCST)

ONE Hour WEBINAR on Structured Training Programme for Design

19 DECEMBER 2020

Saturday

**2.00 PM to 3.00 PM
via Zoom**

**Limited to 90
participants**

“Introduction to a standardized and comprehensive programme towards first tier Professional Engineer status for a Graduate Engineer.”



MODERATOR
Ir. Prof. Adnan Zulkiple

Meet Our Speakers'



Ir. Hj. Mohd Radzi Salleh
PEPC, FIEM
Chairman,
The Special Committee on
Structured Training



Ir. Raftah Maftar
PEPC, MIEM- Civil



Ir. Juares Rizal
PEPC, FIEM - Chemical



Ir. Dr Lim Yun Seng
PEPC, MIEM - Electrical



Ir. Dr Yap Chee Wei, Alvin
PE, MIEM
Mechanical-Industrial

FREE ADMISSION

Register online | www.myiem.org.my

Closing date : 18 December 2020

- 2.00 pm :** Brief Introduction on the Structured Training Programmes (STP) and that for Design (STPD) by Ir Mohd Radzi Salleh, Chairman SCST, IEM
- 2.10 pm :** Briefing on STPD-Civil Engineering Module by Ir. Raftah Mahfar
- 2.20 pm :** Briefing on STPD-Chemical Engineering Module by Ir. Juares Rizal Abd Hamid
- 2.30 pm :** Briefing on STPD-Electrical Engineering Module by Ir. Dr Lim Yun Seng
- 2.40 pm :** Briefing on STPD-Mechanical Engineering Module by Ir. Dr Alvin Yap Chee Wei
- 2.50 pm :** Q&A Session
- 3.00 pm :** End of Webinar

Synopsis

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 webinar is an introduction to a standardized and comprehensive programme towards first tier Professional Engineer status for a Graduate Engineer.

Speakers' Biodata

Ir. Hj. Mohd Radzi bin Salleh obtained a BE Hons in Mechanical Engineering from the University Malaya, in the year 1977. He had joined PETRONAS Carigali Sdn. Bhd. in May 1981 as a Project Buyer, Inspector & QA/QC Engineer. Then in 1984, he worked as a Lead of Maintenance and in 1985-1986, as the Head of Operations. Later in 1987, he is a Manager Production Operations for PCSB Peninsular Malaysia Operations. Then, in 1990 he worked as a Senior Manager of Operations Department (BOM), Baram Delta Operations (now called Sarawak Operations of PCSB). From 1995, he held the position of General Manager, PETRONAS Carigali Sdn. Bhd. in Peninsular Malaysia Operations. He also joined PETRONAS in July 1978 as the Head, Production Measurement Section of Inspection and Enforcement Department, PETRONAS.

Ir. Raftah Mahfar is currently a Director of SCG Consultants Sdn. Bhd., a Structural, Civil, Infrastructure, Geotechnical and Railway engineering Consultants. She holds a degree in Civil Engineering from Universiti Teknologi Malaysia (1985) and Master of Science in Civil & Structural Engineering from Universiti Kebangsaan Malaysia (1990). She has more than 30 years of technical experience in Geotechnical Engineering design and construction. Her projects include Upgrading of Jalan Segamat-Tangkak, Pembinaan Kompleks Istana Baru Terengganu, Slope Repair Works at Jalan Baru Naik Ke Bukit Fraser, Electrified Double Track Project Ipoh to Padang Besar and etc.

Ir. Juares Rizal bin Abd Hamid is a graduate in Chemical Engineering (Pennsylvania State University, 1979) and Industrial Chemistry (UiTM, 1975). He has held roles and responsibilities of line and managerial executive engineer, project manager, consultant engineer coach, and of a company director – all while in and through salaried employment (22+ years, PETRONAS) and self-employment (19+ years) in the oil, gas, and petrochemical industry. In self-employment, he has been a freelance consultant, an associated principal on Process/Project Management to an engineering design consultancy (MECIP Global Engineers), and a Director of a process safety management consultancy (Winmore Engineering). He has since 2006 served as a mentor in, and as a Sub-Committee member of, the ECD (formerly the Log Book Training Scheme).

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. 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.

Ir. Dr Alvin Yap is the Hon. Secretary / Treasurer of Mechanical Engineering Technical Division (METD), IEM. Dr Yap is a senior academician by profession with the Asia Pacific University (APU) and currently the Head of IoT Research Center (CREDIT) at the university. Prior to that he had years of experience designing manufacturing solutions in the US. He holds multiple patents, and has been actively presenting research papers in local or overseas conferences. Dr Yap's research interests include optimization of Internet-of-Things (IoT) and has been providing knowledge and expertise to the industry. He holds a B.Sc. (Industrial Engineering, 2000) and M.Sc.(Mechanical Engineering, 2003), both from University of Arkansas, USA, and received his PhD from Multimedia University, Malaysia in the year 2016. Dr Yap is a registered Professional Engineer in USA, Malaysia, and a registered Chartered Engineer in UK.