

8-SATURDAY COURSE ON STRUCTURAL ENGINEERING DESIGN



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



**HYBRID COURSE
(ONLINE & PHYSICAL)**

**LIMITED TO 20
PARTICIPANTS ONLY**

**NEW COMMENCEMENT DATE:
18 JUNE 2022**

**FOR 8 SATURDAYS
9 AM - 5 PM**

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

- * Understand the behaviour of the structure in general
- * Understand the behaviour of construction material;
- * Understand difference between idealisation and actual construction;
- * Prepare general layout;
- * Building loading to UBBL/BS6399;
- * Structural analysis including wind loading to MS 1553 /BS 6399;
- * Reinforce concrete design – BS 8110 and BS 8007/Eurocode;
- * Prestressed concrete design to BS 8110
- * Structural and Composite steel design to BS 5950



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Fees	Normal rate (RM)	Online rate (RM)
Corporate Member	3200.00	2880.00
Graduate Member / Senior Graduate	3200.00	2720.00
Non-Member	3680.00	3520.00

COURSE FORMAT

The course consists of classroom presentations. Participants are encouraged to actively engage in discussions.

INFORMATION ON REGISTRATION

Registration fees cover course notes. 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. Booking fee paid is non-refundable. However, substitution of participants 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. However, every effort will be made to inform 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 4007
Fax: 03-7957 7678
Email: sec@iem.org.my



Chairman

Special Committee on IEM Structured Training

c/o The Institution of Engineers, Malaysia

P O Box 223 (Jalan Sultan), 46720 Petaling Jaya, Selangor.

 **REGISTRATION FORM**

NO	NAMES (S)	M'SHIP NO	GRADE	FEES (RM)
1				
2				
			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

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.

FACILITATORS/TRAINERS



**Ir. Dr Nik Afifah bt Nik Mohd Adeeb
MIEM, PENG**

Ir. Dr Nik Afifah bt Nik Mohd Adeeb obtained 34 years' experience in road design, bridge design, geotechnical design, C&S building design, project management, construction management, construction supervision & technical design audit.

Some projects implemented are:

a) Design (C&S, Geotechnical, Hydrology, Bridges & Roads)

- Pre-fabricated "Multi-Purpose Building, Raub, Pahang"
- "Control Tower Complex, KLIA Sepang"
- "Bridge over Sg. Jengka, Pahang", "Bridge over Sg. Luit" etc.
- "Upgrading JB – Mersing Road, M.S 13 – M.S 38"
- "Upgrading Junction Bahau – Keratong Highway, Jempol"

b) Project Management, Design Review & Audit

- "Pagoh Education Hub (RM992,623,000.00), Johor"
- "Seremban – Gemas Electrified Double Track Project (RM3.5 Billion)"
- Technical Audit for Jab. Audit Negara (2007).
- "KLIA Project, Sepang (RM 10 Billion)"

c) Construction Management

- "PJC Headquarters, Putrajaya"
- "Ampang Hospital, KL"

d) Construction Supervision

- "Duty Free Complex, Subang Airport"
- "Extension of Runway & additional taxiways, Subang Airport"

FACILITATORS/TRAINERS



Ir. Lim Ek Peng MIEM, PEng

Ir. EP. Lim is a practising Professional Civil & Structural Engineer with Perunding Hashim & NEH Sdn Bhd. He obtained his Bachelor of Civil Engineering from UTM in 1985 and Master of Engineering from University of Malaya in 1989.

▶ He has over 32 years of experience in civil & structural engineering design and construction. He was a member of technical committees of (IEM-SWO) for standards in Design of Concrete Structures for MS EN 1990, 1991, 1992 & was a member of IEM C&S WG1 for drafting of Malaysia National Annex of EC8.



**Ir. Dr Salimi bin Md Salleh
MIEM, PEng**

Ir. Salimi bin Md Saleh graduated from University Teknologi Malaysia, KL in 1985. A Civil and Structural Engineer, he worked with the government department for 5 years before starting his own practice.

Due to this nature, he is involved with many projects of different fields such as highway and bridges, flood mitigation, telecommunication towers and steel & concrete Structures. Currently, he is a part time lecturer in University Malaysia Pahang and his business involving tower structures covers Asia and Africa. ▶

FACILITATORS/TRAINERS



Ir. Cheong Chee Kwong
MIEM, PENG

Ir. Cheong graduated in B.Eng (Hons) Building Engineering, University of Liverpool, England in 1979. He is a registered Professional Engineer in Malaysia, a Member of the Institution of Engineer Malaysia, Honorary Fellow of The ASEAN Federation of Engineer Organisation, APEC / EMF International Professional Engineer and Associate Member of Malaysian Institute of Management .

▶ He has 42 years of Engineering Consultancy experience to date and have faithfully served numerous clients both locally and overseas. These clients include institutions, multi-national corporations, real estate developers, oil and gas contractors, building contractors and large EPCC. His main area of expertise is in Structural Engineering / Value Engineering and Industrial Building Systems.

In connection with the above, he have received 4 patents from the Intellectual Property Corporation Of Malaysia (MyIPO) to date. All are suited to Industrial Building Systems (IBS).

Over the years of involvement in hands-on design in particular competitive Value Engineering, he has developed small soft wares to facilitate in achieving optimum design for the client in this cutting edge environment apart from built ability and cost efficiency need. Such software is a necessity to tailor-made for specific situations in our engineering works.

