

## TALK ON

# “INTRODUCTION TO BRIDGE ENGINEERING & BRIDGE LOADING”

Organised by the Civil and Structural Engineering Technical Division (CSETD)

BEM Approved CPD/PDP: 2 Hours

Ref No: IEM18/HQ/226/T

Date : 09 JULY 2018 (Monday)  
Time : 5.30 p.m. – 7.30 p.m.  
Venue : Auditorium Tan Sri Prof. Chin Fung Kee, 3<sup>rd</sup> Floor, Wisma IEM, Petaling Jaya, Selangor  
Speaker : Ir. LOW HIN FOO

## SYNOPSIS

### Introduction to Bridge Engineering & Bridge Loading

- Basic Bridge Structural Components
- Bridge Design vs. Building Design
- Bridge Loading
  - Permanent Load (Dead Load & Deck Finishes)
  - Moving Load (HA+KEL and Abnormal Vehicles)
  - Secondary Live Load (Braking/Skidding, Centrifugal and Collision Load)
  - Load Factor and Load Combinations for Bridge Design

## SPEAKER BIODATA

**Ir. LOW HIN FOO** graduated from University Malaya with an Honours degree in Civil Engineering. Since then he has more than 18 years of design and construction experience in various reinforced concrete and post-tensioned buildings as well as bridges both locally and abroad. He was the *Technical Manager* for prestressing specialist contractor, *BBR Construction Systems*, and he is currently the *Principal Engineer* for a design consultancy firm, *OSD Consultants (M) Sdn Bhd*. He is currently working with Monash University Malaysia on research projects on prestressed transfer plate. He is also actively involved in the training of engineers and undergraduates by conducting courses on the design of prestressed building and bridge structures.

Ir. Low has vast design experience in the design of prestressed structures for large commercial projects and high-rise towers. He has the specialized experience in handling the design of prestressed flat slab or flat plate systems with irregular column grids, including prestressed transfer plates. Besides, he has involved in the design and construction of few long span prestressed bridges built by balanced cantilever method and he is familiar with the design of integral bridge with prestressed girders made continuous. He has particular experience in the design of the structural strengthening and rectification works for reinforced concrete and prestressed structures, design of steel arch bridges, jetty and wharf structures and other specialized structures.

**Ir. DR. NG SOON CHING**

**Chairman**

**Civil and Structural Engineering Technical Division**

## ANNOUNCEMENT TO NOTE

### FEES

(Effective 1<sup>st</sup> October 2017)

#### Members

Registration Fee : No Charge  
Administrative Fee :  
Online RM15  
Walk in RM20

#### Non-Members

Registration Fee : RM50  
Administrative Fee : RM20

- Limited seats are available on a "first come first served" basis (maximum 100 participants).
- **To secure your seat, kindly register online at [www.myiem.org.my](http://www.myiem.org.my)**

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