

Course on Overview of Railway Infrastructure and System Design Requirement in Malaysia

Monday, 28 January 2019
(9.00 a.m. – 5.30 p.m.)

Hotel Armada Petaling Jaya
Lot 6, Lorong Utara C, Section 52
46200 Petaling Jaya

Organised by



The Association of Consulting Engineers Malaysia

Synopsis

Concession problem on the mobility of people and goods exists and escalating everywhere. Rail transport is an efficient mode of transport among all conventional mode of transport to solve the problem. Railway is a relatively fast, economical, energy saving, environmentally sound and safe system of transport.

This course aims to acquire the knowledge of railway design requirement.

Objectives

- (a) To highlight the Development of International and Malaysian Railway System.
- (b) To share with participants the Permanent Way/Track Component.
- (c) To share the knowledge on Infrastructure and System interfacing requirement.
- (d) To highlight and discuss the Safety requirements in Railway.
- (e) To understand the Basic Track Design requirements.
- (f) To discuss on Critical Loading Consideration.

Who Could Benefit from the Course

- Project Directors
- Executives
- Site Supervisors
- Design Engineers
- Site Managers
- Contractors & Subcontractors

Contents

1. Background
 - Global Railway Development
 - Ridership in Malaysia
 - Railway System in Malaysia
2. Codes & Standards in Practice
 - UIC
 - EN, BS, AREMA, AS. JNR, MS
3. Objectives & Scope
 - Safety
 - Systems (Electrical, Signalling and Communication) interfacing design requirement with infrastructure.
 - Infrastructure
4. Current Project Overview (Electrified Double Track Gemas to Johor Bahru)
 - Objective & Scope
 - Design Criteria
 - Geometry
 - Critical Loading

Registration Fee

ACEM member firms	RM 650.00 per person
Others	RM 850.00 per person

The registration fee shall be made payable to '**The Association of Consulting Engineers Malaysia**' by crossed cheque and to be submitted with the completed registration form by **21 January 2019** to:

The Association of Consulting Engineers Malaysia
Suite 20-9, Level 20, Menara 1MK
No. 1, Jalan Kiara, Mont' Kiara
50480 Kuala Lumpur

The registration fee is non-refundable. However, substitution of participants can be arranged by informing the organiser one week before the course commences.

Continuing Professional Development / Certificate of Attendance

The course is eligible for 8 CPD hours for Professional Engineers registered with the Board of Engineers Malaysia, and a Certificate of Attendance will be issued subject to full attendance.

Enquiries

For enquiries, please contact the ACEM secretariat at tel. no. 012-5290031, 012-5190031 or e-mail sec@acem.com.my.

Speaker



Ir. Shanmuga Sekar Thenappan is a Registered Professional Practicing Engineer. He is currently a Lead Consulting Engineer and Research scholar on Rail. He received a Bachelor of Engineering (Civil) from Annamalai University India and Master of Science (Highway and Transportation Eng.) from University Putra Malaysia and is currently pursuing his PhD on Rail in UTM Skudai. He is a Railway Bridge Design Consulting Engineer having 25 years' experience in analysis, design and construction supervision with knowledge of software. Having wide experience on International and Malaysian Railway track and bridge design principles, embraced with modern principles and practices of Railway permanent way, Alignment, Bridge, Structural and multi-disciplinary engineering skills, especially in the areas of transport engineering (Railway and Highway).

Programme

- 8.30 a.m. Registration
- 9.00 a.m. Railway Background
Global Railway Development
Railway System in Malaysia
Ridership in Malaysia
- 10.30 a.m. Tea Break
- 11.00 a.m. Railway Codes and Standards in Practice
Railway Outline Infrastructure & System (Signalling, Power, Communication)
Safety Regulations
- 1.00 p.m. Lunch
- 2.00 p.m. Current Project Overview (Electrified Double Track Gemas to Johor Bahru)
Objective and Scope
Design Criteria
- 3.30 p.m. Tea Break
- 4.00 p.m. Design Concept – Geometry
Design Concept – Civil (Viaduct, Bridge and Structure)
- 5.00 p.m. Q & A
- 5.30 p.m. End of Course

Registration Form

(to be returned by 21 January 2019)

Course on Overview of Railway Infrastructure and System Design Requirement in Malaysia Monday, 28 January 2019 Hotel Armada Petaling Jaya

Name: _____

Designation: _____ BEM PE No.: _____
(if applicable)

Organisation: _____

Address: _____

Tel.: _____ Contact person: _____

E-mail: _____

(confirmation of registration will be sent via e-mail)

ACEM member firm RM 650.00 per person

Others RM 850.00 per person

Enclosed is cheque no. _____ for RM _____
being registration fee for the course.

Signature & Company Stamp

Date