

**Mechanical Engineering Technical Division**

The Institution of Engineers, Malaysia

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Organised by:  
Mechanical Engineering Technical Division,  
The Institution of Engineers, Malaysia

PLEASE TICK (✓) REGISTRATION  COURSE 1  COURSE 2

Name(s)	IEM M'ship No. /Grade	Fees (RM)
SUB TOTAL		
ADD GST @ 6%		
<b>TOTAL PAYABLE</b>		

Company: \_\_\_\_\_

Address: \_\_\_\_\_

Mobile: \_\_\_\_\_ Tel(O): \_\_\_\_\_ Fax: \_\_\_\_\_

E-mail: \_\_\_\_\_

(Please write clearly as the "Confirmation Notification" will be sent via email)

Contact Person: \_\_\_\_\_ Designation: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**PAYMENT DETAILS** Cash RM \_\_\_\_\_
 Cheque no. \_\_\_\_\_ for the amount of RM \_\_\_\_\_  
(non-refundable) and made payable to "THE INSTITUTION OF ENGINEERS, MALAYSIA"  
and crossed 'A/C Payee Only'.
**Terms & Conditions:**

- For ONLINE REGISTRATIONS, only ONLINE PAYMENT is applicable [via Credit Card]
- Payment via CASH / CHEQUE / BANK-IN TRANSMISSION / BANK DRAFT / MONEY ORDER / POSTAL ORDER / LO / WALK-IN will be considered as NORMAL REGISTRATION
- For online registrations, please note that **payment MUST be made on registration.**
- FULL PAYMENT** must be settled before commencement of the course, otherwise participants will not be allowed to enter the hall. If a place is reserved and the intended participants fail to attend the course, the fee is to be settled in full. If the participant failed to attend the course, the fee paid is non refundable. Registration fee includes lecture notes, refreshment and lunches.
- The Organising Committee reserves the right to cancel, alter, or change the program due to unforeseen circumstances. Every effort will be made to inform the registered participants of any changes. In view of the limited places available, intending participants are advised to send their registrations as early as possible so as to avoid disappointment.

BEM Approved CPD/PDP Hours: 13  
Ref. No: IEM17/HQ/470/C

GST is implemented  
effective 1 April 2015

## Course on Vertical Transportation Systems

### Course 1: Design and Installation of VTS

### Course 2: Maintenance Management of VTS

Speaker: Mr. Raghiv Fasih Azmi, Grad IEM

Date: 17 &amp; 18 January 2018 (Wednesday &amp; Thursday, 9.00am – 5.00pm)

Venue: Auditorium Tan Sri Prof. Chin Fung Kee, 3rd Floor,  
Wisma IEM, Petaling Jaya, Selangor

**1. Course 1: Design and Installation of VTS – 17<sup>th</sup> JAN 2018****REGISTRATION FEES (SUBJECT TO 6% GST)**

	ONLINE	NORMAL (Offline)
IEM Student Member	RM 150.00	RM 180.00
IEM Graduate Member	RM 250.00	RM 300.00
IEM CORPORATE MEMBER	RM 400.00	RM 450.00
Non-IEM Member	RM 800.00	RM 900.00

**2. Course 2: Maintenance Management of VTS – 18<sup>th</sup> JAN 2018****REGISTRATION FEES (SUBJECT TO 6% GST)**

	ONLINE	NORMAL (Offline)
IEM Student Member	RM 150.00	RM 180.00
IEM Graduate Member	RM 250.00	RM 300.00
IEM CORPORATE MEMBER	RM 400.00	RM 450.00
Non-IEM Member	RM 800.00	RM 900.00

**3. REGISTER for both COURSES & get PACKAGE fees****REGISTRATION FEES (SUBJECT TO 6% GST)**

	ONLINE	NORMAL (Offline)
IEM Student Member	RM 250.00	RM 310.00
IEM Graduate Member	RM 350.00	RM 450.00
IEM CORPORATE MEMBER	RM 550.00	RM 650.00
Non-IEM Member	RM 1050.00	RM 1150.00

Closing Date: 12<sup>th</sup> January 2018

## SYNOPSIS

This course will enable participants to get a more systematic understanding of vertical transportation system (VTS) from design and install perspective. The importance of looking at VTS from holistic angle begins with an understanding of the design standards. This will be followed by an overview of the various types of VTS. The concept of Traffic Analysis will be explained as well as its relevance in particular building segments. The key considerations in planning and design will be expanded on. Next will be the challenges of VTS installation, testing and commissioning works.

Owners and operators of vertical transportation systems (VTS) commonly referred to as lift and escalators are bound by very specific duties where they assume the responsibility for the safe operation and availability of the systems. For the systems to operate safely, owners have to ensure they monitor, carry out regular and specialist maintenance, any necessary repairs and have the system inspected by a competent, impartial third-party. A contract should provide owners the peace of mind that the equipment would perform to meet the requirements of their building. Unfortunately, this is usually not the case as most of the contracts are not performance based i.e. they do not reflect the performance required of the equipment to meet the service levels in the building. The contract should equally protect both parties whilst ensuring the appropriate level of service is provided and not favoured to one party. Defining the performance levels, reliability and in-service time that the owners need is the foundation and these need to be realistic, take into account the condition of the equipment and be clearly defined as do incentives and penalties for meeting or missing them. We shall look at this topic from EN13015 perspectives.

## WHO SHOULD ATTEND?

\* Building owners\* Building managers\* Project Managers\* Designers, Engineers, Architects\* Constructors of buildings which require VTS\* Enthusiasts who would like to know more about the mysterious VTS

## CANCELLATION POLICY

IEM reserves the right to postpone, reschedule, allocate or cancel the course. Full refund less 30% if cancellation is received in writing more than 7 days before start date of the event. No cancellation will be accepted prior to the date of the event. However, replacement or substitute may be made at any time with prior notification and substitute will be charged according to membership status.

## BIODATA OF SPEAKER

Raghib Azmi Grad IEM has more than 25 years of experience in the lift and escalator industry having served in various capacities in sales, installation, maintenance and general management for leading lift companies both locally as well as overseas. He has been engaged in various roles in several major high-rise projects such as Petronas Twin Towers, Burj Khalifa, India Tower, Kingdom Tower and Menara Warisan.

He has been actively serving The Institution of Engineers, Malaysia (IEM) in various committees since 1993. He has held various talks and courses at IEM in the VTS subject. He is the Chairman of the SIRIM Working Group on Lifts and Escalators and has been representing IEM in the WG since 2000. He is actively involved in the development of Malaysian Standards for lifts and escalators.



He conducts regular talk and training programmes related to VTS business management, design, installation, maintenance, repairs and modernisation; conducts VTS audits and inspections for residential and commercial properties and undertakes VTS modernisation consulting and management projects. Raghib Azmi Grad IEM has a Bachelor of Science in Mechanical Engineering degree from Oklahoma State University, United States of America.

## TENTATIVE PROGRAMME

TIME	Design and Installation of VTS	Maintenance Management of VTS
08:30am - 09:00am	Registration	
09:00am - 09:45am	Introduction to Vertical Transportation Systems	Introduction & Overview
09:45am-10:30am	Overview of Vertical Transportation Systems	Designing For Maintainability
10:30am - 10:45am	Morning Tea Break	
10:45am - 12:00noon	Standards and Codes	Maintenance in accordance to EN13015
12:00noon - 01.00pm	Traffic Analysis	Writing a bespoke lift and escalator maintenance contract
01:00pm - 02.00pm	Lunch	
02:00 - 03:30pm	Planning and Design	Audit & Inspection
03:30 - 03:45pm	Afternoon Tea Break	
03:45pm - 04:45pm	Installation, Testing and Commissioning	Upgrading and Modernizing
04:45 - 05:00pm	Q&A	
05:00pm	End of Course	

## PERSONAL 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.