

Half-Day Talk on “Lift Systems: Installation, Maintenance and Safety”

Date : Saturday, 13th April 2019
Venue : IEM (Southern Branch) Training Centre, 24-B Jalan Abiad, Taman Tebrau Jaya, Johor Bahru
Speaker : Ir. Assoc. Prof. Yahaya Ramli, Faculty of Mechanical and Manufacturing, UTHM

Synopsis

A lift or elevator system is a type of vertical transportation that moves people or goods between floors of a multi-storey buildings or any industrial related applications. Lifts are typically powered by electric motors that either drive traction cables and counterweight systems or pump hydraulic fluid to raise a cylindrical piston like a jack and combination with certain rope arrangements. There are many types and version of lift systems to be selected for wide range of applications including for special need or purpose. Installation and construction of lift systems is very crucial in order to guarantee proper and efficient operation of lift services. Registration and maintenance aspects as required by acts and standards must be strictly followed for safety and healthy aspects of any lift systems.

Installation and operation of lift system is subjected to the Factory and Machinery Act, 1967 (Act 139) and regulations together with some other standards. Thus, the understanding on lift fundamental, installation, selection and requirement of acts and regulations such as registration, maintenance and inspection, safety and competent person are important to ensure safe, efficient and reliable service of lift system for residential and office buildings, and in other related applications or special need. Information and exposure from this talk is useful for lift installer, building owner and facility maintenance and management personnel to secure the most reliable lift services.

The main objective of this technical talk course is to provide some fundamental and practical aspects of lift systems with regards to its installation, selection and maintenance for residential and office buildings. This talk will also introduce some basic guidelines, standard practice and requirement on registration of lift, operation and inspection as implemented by the Department of Occupational Safety and Health (DOSH/JKKP), Malaysia to ensure safety and healthy, and efficient operation of lift systems for passenger and technical/serviceman. The objective of the talk is also to give a better understanding for our young engineers and practicing engineers to get some insight on the above topic.

Time	Programme Tentative
8.30 a.m. - 9.00 a.m.	Registration
9.00 a.m. – 9.05 a.m.	Welcome Speech By IEM (SB) Organising Committee
9.05 a.m. – 10.30 a.m.	- Session 1: Lift System: Fundamental, Type and Installation
10.30 a.m.- 10.45 a.m.	Coffee Break
10.45 a.m.- 12.30 p.m.	- Session 2: Session 2: Maintenance and Safety Aspects of Lift
12.30 p.m.- 12.45 p.m.	- Discussion - Questions & Answers Session
12.45 p.m.	End of Talk

Speaker Biodata

Ir. Assoc. Prof. Yahaya Ramli currently is an Associate Professor at the Department of Energy and Thermo-Fluid Engineering, Faculty of Mechanical and Manufacturing Engineering, Universiti Tun Hussein Onn Malaysia (UTHM), Batu Pahat, Johor. His field of specialization is fluid mechanics, fluids machineries, and fluid power systems (hydraulic & pneumatic). Prior to join as an academicians, he has several years of practical experience in various technical and management level in palm oil, electronic and petroleum industries. He has involved in installation, operation and maintenance of water tube and fire tube boilers, steam turbines and generator set (ICE), pump and compressors while working in FELDA oil palm mill, Sobena Offshore Inc., and PETRONAS Gas Bhd. He is graduated from MARA Institute of Technology (ITM) in Mechanical Engineering and obtained his *MSc* (Fluid Power Systems) from University of Bath, U.K. He is a Professional Engineer (*P.Eng*) registered with the Board of Engineers, Malaysia (BEM) and a Cooperate Member (*MIEM*) of the Institute of Engineers, Malaysia (IEM) and Associate ASEAN Engineer registered with ASEAN Engineer Register (AER). He is a registered trainer with the Pembangunan Sumber Manusia Berhad (PSMB). Previously, he has trained to be Pegawai Penilai Dalaman (PPD) with Majlis Latihan Vokasional Kebangsaan (MLVK). Beside teaching and training activities, he has been appointed as a consultant and technical advisor to several mechanical installation and recreational projects. Active in publication work and published several books and conference papers in field of mechanical and plant engineering. Among published technical books are *Mekanik Bendalir (2017)*, *Sistem Pencegahan Kebakaran (2011)*, *Introduction to Compressed Air Systems (2010)*, *Hidraulik dan Pneumatik (2005)*, *Sistem Bekalan Bahan Api Enjin Diesel (2001)*, *Termodinamik Kejuruteraan Asas (2001)* and *Fluid Power Systems (1999)*.

Participant Fees:

Grade	Online	Normal
IEM Corporate Member & Graduate Members (30 years and above)	RM 110.00	RM 130.00
IEM Senior Engineers (60 years and above)	RM 90.00	RM 110.00
IEM Graduate Members (Below 30 years)	RM 90.00	RM 100.00
IEM Student Members	RM 60.00	RM 80.00
Non-Member	RM200.00	RM220.00

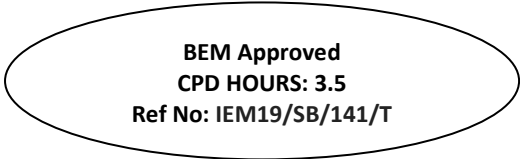
Closing Date: 9th April 2019

For **ONLINE REGISTRATION**, payment **MUST BE MADE VIA ONLINE PAYMENT** (bank-in the participant fees into the Institution's Maybank Current Account (No. 5-013920-15708) before the **closing date**.

Registration will be on a first-come-first-serve basis. Kindly return the Reply Slip to the IEM (SB) office before **9th April 2019** together with a non-refundable cheque for the participant fees made payable to **The Institution of Engineers, Malaysia (Southern Branch)**. Alternatively, you could bank-in the participant fees into the Institution's Maybank Current Account (No. 5-013920-15708), and to facsimile both the Bank-in and Reply Slips to the Institution. The Institution requests all members cooperation in ensuring fees are paid in advance to the seminar. Please also be reminded that fees will not be refunded to absent participants who have paid, and to also note that all reservations must be paid despite participant cancellations. Thank you for your continuous support of the Institution.

Chairman, Sub-Committee on Seminar and Technical Talk, IEM (SB)

REPLY SLIP



To: Hon. Secretary, The Institution Of Engineers, Malaysia (Southern Branch) **FAX: 07 - 331 9710**

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Saturday, 13th April 2019, 9.00 a.m. – 12.45 p.m. at the IEM (Southern Branch) Training Centre, Johor Bahru

I wish to attend the above talk. I enclosed herewith a cheque No. for the amount of RM.....as payment for the seminar fee.

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