

22nd November 2018

REGISTRATION FORM

RENEWABLE ENERGY FORUM

(Closing Date: 19th November 2018)

No	Name	M'ship No.	Grade	Fee (RM)
SUB TOTAL				
TOTAL PAYABLE				

Enclosed herewith a crossed 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 application is accepted by the Organising Committee as stated in the **cancellation term**. If I/We fail to attend the seminar, the paid registration fee will not be refunded.

Contact Person: _____ Designation: _____

Name of Organization: _____

Address: _____

Telephone No.: _____ (O) _____ (Fax)

_____ (H) _____ (HP)

Email: _____

Signature & Stamp

Date

Photocopies are acceptable

CANCELLATION POLICY

IEM reserves the right to postpone, reschedule, allocate or cancel the course. Full refund 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.

RENEWABLE ENERGY FORUM

ORGANISED BY
MECHANICAL ENGINEERING TECHNICAL DIVISION, IEM

Venue: Malakoff Auditorium, Ground Floor, Wisma IEM, Petaling Jaya, Selangor

Time: 9.00am – 6.0pm

Speakers: Ir. Loo Chee Kin, Ir. Fam Yew Hin, Ir. Luk Chau Beng,
 Ir. Dr. Aidil bin Chee Tahir, Ir. Dr. Alvin Yap Chee Wei
 & Mr. Raghil Azmi

BEM Approved CPD/ PDP hours: 7.5 Ref. No.: IEM18/HQ/417/F

CCD hours: 10 Ref. No: CIDBHQ/C/2018/0070

REGISTRATION FEES

	ONLINE	NORMAL
IEM Student Member	RM 100.00	RM 150.00
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

GST shall be at 0% with effect from 1 June 2018

IMPORTANT NOTES:

CLOSING DATE: 19TH NOVEMBER 2018

- For **ONLINE REGISTRATION**, payment **MUST BE MADE VIA ONLINE PAYMENT** [via RHB Now and Maybank2u - Personal Saving & Personal Current; Any Credit Card - Visa/Master]. If payment is not received within the stipulated time, the registration fee will automatically be reverted to the normal fee.
 - Payment via **CASH/CHEQUE/BANK-IN TRANSMISSION/BANK DRAFT/MONEY ORDER/ POSTAL ORDER/LOU/LOG/WALK-IN** will be considered as **NORMAL REGISTRATION**
 - FULL PAYMENT** must be settled before commencement of the event, otherwise participants will not be allowed to enter the hall. If a place is reserved and the intended participant fails 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. IEM reserve the right to reject any LOU/LOG not in accordance with these instructions.
- The Organising Committee reserves the right to alter or change the programme due to unforeseen circumstances.

SPEAKER BIODATA

Ir. Loo Chee Kin is an active committee member in the Institution of Engineers, Malaysia (IEM), He is the current Chairman of Mechanical Engineering Technical Division (METD) and Disaster Reduction Advisory Board, as well as Fire Advisory Board, various other Sub-Committees and Boards. He is a Senior Consultant with Global Risk Consultants (GRC) and before that he was a Senior Engineering Specialist with FM Global. He has more than 20 years engineering experience, from design to field work, since graduating from UMIST, Manchester, UK with a B.Eng in Electromechanical Systems Engineering. He is a P.Eng in Mechanical and Electrical Engineering and a Member of IEM. He is a Member of IMechE and IEE, and registered C.Eng. His areas of risk evaluation are both for existing sites as well as engineering services for new projects of clients.

Ir. Fam Yew Hin is a Registered Professional Engineer with BEM and a Corporate Member of IEM. Graduated with a Mechanical Engineering Degree from the University of Sheffield, Ir. Fam has during the past 18 years served in the National Utility, Independent Power Producers as well as with the Regulator. He has also obtained a Diploma in Financial Management, and received the award of world best result from ACCA. Ir. Fam has been actively involved in IEM activities; he is the chairman of the Membership Drive and Promotion sub-committee, immediate past Chairman and the current Advisor to the Mechanical Engineering Technical Division (IEM).

Ir. Luk Chau Beng is Professional Mechanical Engineer and holds a Masters Degree in Engineering Management, a First Grade Steam and Internal Combustion Engineer Certificate, issued by Department of Safety & Occupational Health, a Registered Electrical Energy Manager with Energy Commission and a certified trainer by HRDF. He had previously successfully completed many turnaround in large power industries with vast experience in industrial plants and energy efficiency and conservation. Ir. Luk had previously serves in IEM as a Chairman of the Mechanical Engineering Technical Division and Council Member. He chaired several important technical committees in the country which includes ISO TC 11 (boiler & unfired pressure vessel), ISO TC for mechanical engineering components with the Malaysian Standardization & Research Organization (SIRIM) and chairmanship of the published Malaysian Energy Efficiency & Conservation Guidelines for the Malaysian Government, KeTTHA. He also possesses several Energy System Optimization Expert qualification in Energy Management (ISO 50001), Pumps, Fans, Steam and Thermal and Solar Thermal from United Nation. His contribution to the society, has earned him a Honorary Member of the Asean Federation of Engineering Organization (AFEO) in 2017.

Ir. Dr. Aidil Chee Tahir has more than 15 years of experience working in the corporate sector of Malaysian GLCs focusing on areas of corporate sustainability and corporate strategy. He obtained a Doctor of Philosophy in the field of sustainability metrics from the Engineering Science Department at the University of Oxford and read a degree in Mechanical Engineering at Imperial College London. He is a certified Professional Engineer by the Board of Engineers Malaysia and a corporate member with the Institution of Engineers Malaysia (IEM). He also serves as the secretary and treasurer on the Mechanical Engineering Technical Division of IEM.

Ir. Dr. Alvin Yap Chee Wei, P.E., CEng, MIEM is an METD committee member of The Institution of Engineers, Malaysia (IEM). He is currently a Senior Lecturer at Asia Pacific University (APU), with over 15 years of industrial and academic experience. Dr Yap's research interests includes automation, Internet-of-Things (IOT), robotics and renewable energy. Dr Yap holds multiple patents and has authored multiple international-indexed publications. Dr Yap holds a B.Sc. and M.Sc. from University of Arkansas, US, and has received PhD from Multimedia University, Malaysia. Dr Yap is a registered Professional Engineer in US, Malaysia, and a registered Chartered Engineer in UK. Dr Yap is a panel member of Engineering Accreditation Council (EAC) where he contributes to Engineering Education in Malaysia. Also, he frequently provides consultancy and research expertise to companies.

Mr. Raghieb 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. Raghieb Azmi Grad IEM has a Bachelor of Science in Mechanical Engineering degree from Oklahoma State University, United States of America.

TENTATIVE PROGRAMME

08:30 am -	Course Registration
09:00 am -	<u>RENEWABLE ENERGY INTRODUCTION (Ir. LOO CHEE KIN)</u> Renewable energy in the power sector has been a buzzed since Malaysia introduced the Feed-in-Tariff (FIT) in 2011. With the price incentive mechanism was in place, the return on investment for such venture became viable and commercially attractive. Since Malaysia is blessed with sunshine throughout the year, renewable solar energy became a natural choice. Many just jumped on the band-wagon and make a bid for the annual quota - thinking they can put the panels anywhere on their roofs or open carpark. However, some building owners are not aware of the technical requirements of installing such photovoltaic (PV) panels. There are few risk associated with such installation, such as electrical and fire hazards. This session will discuss some of those hazards and risk as well as industry mitigation measures.
10:30 am	
15 min	TEA BREAK
10:45 am -	<u>RENEWABLE ENERGY POTENTIAL AND EXECUTION FRAMEWORK IN MALAYSIA (Ir. FAM YEW HIN)</u> Renewable Energy has been promoted and adopted in most of the countries globally, especially in the past 10 years. This session will discuss on the various RE technologies in power generation, its viability globally and specifically in Malaysia, the execution framework in Malaysia.
11:45 am -	<u>ENERGY EFFICIENCY AND CONSERVATION FOR BETTER LIVING AND PRODUCTIVITY (Ir. LUK CHAU BENG)</u> Energy plays a key role in the development and growth of the economy. The Malaysian government has put special emphasis to ensuring adequate, reliable, secure and cost effective supplies and to utilizing energy resources efficiently while minimizing the negative impacts on the environment. To achieve the energy savings, it is important to understand where and how energy are being used. To achieve this objective an energy audit need to be carried out to discover the potential improvement that can be made to utilize less energy for the same amount of comfort and productivity. This audit will be able to identify all energy conservation measures appropriate for the facilities. Substantial savings can also be achieve starting from with no cost mainly needs the attention, discipline, persistence and creativity of the users or owner before moving to low cost and investment type measures.
1:00 pm	
1 hour	LUNCH
2:00 pm -	<u>RENEWABLE ENERGY FROM A SUSTAINABLE DEVELOPMENT PERSPECTIVE (Ir. Dr. AIDIL CHEE TAHIR)</u> The volatile and cyclical nature of business is a common phenomenon that plagues the oil and gas industry. The recent drastic economic downturn where at the middle of 2014 saw oil prices falling more than 70 percent has caused many oil and gas companies which in recent years had made record profits, to see their earnings plummeted leading them to decommission many of their oil rigs and gas plants while sharply cutting investments in both exploration and production. Several of these companies have now consequently become insolvent resulting in a global wide retrenchment of oil and gas workers. This crisis has prompted policy makers, governmental organizations and investors to rethink and reconsider investing in renewable energy as investment in fossil fuels such as oil and gas are now being viewed as an increasingly risky proposition. As such, renewable energy is seen as the energy solution for the future and also as a strategy to solve the issues of global warming and climate change. However is renewable energy really in line with the concept of sustainable development? Does renewable energy help to achieve sustainable development in a coherent and holistic manner? This presentation discusses the relationship between renewable energy and sustainable development, and explores to what extent renewable energy is sustainable.
3:30 pm	
15 min	TEA BREAK
3:45 pm -	<u>WIND TURBINE SYSTEM AS RENEWABLE ENERGY (Ir. Dr. ALVIN YAP CHEE WEI)</u> Wind turbine system has been widely accepted around the world as a source of renewable energy. However, wind energy system is rarely considered in Malaysia, because there are environmental and technical challenges that must be overcome before this technology can be accepted. This presentation discusses the way that wind turbine system can be revised and adapted for Malaysia environment.
4:45 pm	
4:45 pm -	<u>SAFER LIFTS WITH MS EN 81-20 (Mr. RAGHIB FASHIH AZMI)</u> The most recent developments in lift standards has come with the publication of MS EN 81-20 and MS EN 81-50. The introduction of these two new standards about a year ago will require the revision of a substantial number of other standards and documents that contain reference to EN 81-1 and EN 81-2. Users and industry stand to benefit from safer lift systems. A major improvement will be the elimination of unintended movement of cars which has been subject of many crushing accidents. The new standards will present some challenges in the coming years and understanding these standards will help the lift industry deal with them. Understanding the standard will also open doors to the more than 60,000 installed lifts in Malaysia to be upgraded for safety
6:00 pm	