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REGISTRATION FORM
HALF DAY WORKSHOP ON
LOW CARBON ENERGY ALTERNATIVES IN MALAYSIA
(Closing Date : 29 NOVEMBER 2017)

No	Name	M'ship No.	Grade	Fee (RM)
SUB TOTAL				
ADD 6% GST				
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.



HALF DAY WORKSHOP ON
LOW CARBON ENERGY ALTERNATIVES IN
MALAYSIA

2nd December 2017

Organised by

Electrical Engineering Technical Division. IEM

Venue : C&S Lecture Room, 2nd Floor, Wisma IEM, Petaling Jaya

Time : 8.30am – 1.00pm

BEM Approved CPD/PDP hours: 3.5 Ref. No.: IEM17/HQ/489/W

REGISTRATION FEES (SUBJECT TO 6% GST)

	ONLINE	NORMAL (Offline)
IEM Student Member	RM 50.00	RM 80.00
IEM Graduate Member	RM 100.00	RM 150.00
IEM Corporate Member	RM 200.00	RM 250.00
Non-IEM Member	RM 350.00	RM450.00

GST will be implemented with effect from 1 April 2015

IMPORTANT NOTES

- **Closing Date: 29 NOVEMBER 2017**
- 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.

SYNOPSIS

Global climate change concerns have focused attention on strategies to reduce CO2 emissions from power generation facilities to help limit global warming to 20C. These strategies incorporate zero or low carbon power generation technologies as among the more attractive options. The Malaysian government made a commitment to reduce the national carbon intensity by 45% from the level in 2005 at COP (Conference of Parties) 21 in Paris in December 2015. A significant portion of current power generation is based on the on-going development of coal and gas fired power plants. Renewable energy (RE) development has faced some constraints to match the initial Renewable Energy Policy and Action Plan (REPAP) targets, except for solar Photo Voltaic (PV). These developments warrant revisiting the national plans for optimum primary energy mix for power generation to ensure unrestricted economic development for the country. This IEM workshop provides a platform for consideration of practical assessment of the alternative options available for the national policy makers for the transition to make the necessary power demand and supply development decisions for low carbon power generation for economic development. The workshop content covers the potential alternative power generation options mentioned under the above objective

SPEAKERS' BIOADATA

Current Status and Projections for RE Power Generation for Malaysia by Ir. Akmal Rahimi Abu Samah, SEDA

Ir. Akmal Rahimi Abu Samah earned his Bachelor Degree in Electrical and Electronic Engineering from University of Bristol, UK. He started his career in Tenaga Nasional Berhad (TNB), where he was involved in various power plant, substation, co-generation and other energy-related projects. During his stint in TNB, he has held several positions such as Engineering Manager and Project Manager where he was deeply involved in business development, design & engineering, construction as well as project management. Prior to joining SEDA Malaysia, Ir. Akmal was General Manager in the Special Projects Division at Malaysian Resources Corporation Berhad (MRCB). He was specifically tasked to establish and manage MRCB's district cooling business, where he was in charge of the planning, project execution and operation of the plants. Ir. Akmal is a Professional Engineer with Practising Certificate registered with the Board of Engineers, Malaysia (BEM). He is also a Corporate Member of the Institution of Engineers, Malaysia (IEM) and the American Society for Heating, Refrigeration and Air-Conditioning Engineers (ASHRAE). Ir. Akmal holds a Competent Electrical Engineer certificate from the Energy Commission (EC), Malaysia. He is also an Industry Advisor Panel member for a couple of public universities in the country.

Renewable Energy-Mix in Power Generation in Malaysia by YBhg. Dato' Ir. Prof. Dr. Abu Bakar Jaafar

YBhg. Dato' Ir. Prof. Dr. Abu Bakar is currently a professor of Science, Technology, Innovative Policy & Co-Chair of UTM Ocean Thermal Energy Centre, Giving lectures on "Energy for Sustainable Future" and "STI Policy and Sustainability", and leading a research group in the commercialization of ocean thermal energy technology, and further Research & Development of OTEC-related advancement for fuels from renewables, in marine-culture for nutritional foods, supplies of fresh and mineral water, and in the extraction of lithium and other valuable metals from deep sea water. YBhg. Dato' graduated from BE (Hons), Engineering (Mechanical) at University of Newcastle in 1971 and went on to complete his Masters in Environment Science at Miami University in 1976. Subsequently YBhg. Dato' attained his PhD in Marine Geographv at University of Hawaii in 1984.

100% RE for Electricity generation in Malaysia – When? Ir. G. Lalchand.

Ir. G. Lalchand is a graduate of the Brighton College of Technology (1963) and served TNB and its predecessors for over 36 years. He has been intimately involved in EE & RE policy development and promotion since end 1999, particularly with international consultants under DANCED/DANIDA and UNDP projects. He is a registered Professional Engineer with Practising Certificate, a Fellow of the Akademi Sains Malaysia and an Adjunct Professor at UCSI.

TENTATIVE PROGRAMME

08.30 a.m.	Registration
09.00 a.m.	Welcoming Address by – by the Chairman of the Electrical Engineering Technical Division (EETD)
09.20 a.m.	Presentation by Suruhanjaya Tenaga (ST) on “Capacity Planning: Regulator Perspectives” - by Deputy Director of Capacity Planning, Energy Commission.
10.00 a.m.	Current Status and Projections for RE Power Generation for Malaysia - by Ir. Akmal Rahimi Abu Samah, SEDA.
10.40 a.m.	Tea Break
11.00 a.m.	Renewable Energy-Mix in Power Generation in Malaysia - by Y. Bhg. Dato' Ir. Prof. Dr. Abu Bakar Jaafar.
11.40 a.m.	100% RE for Electricity generation in Malaysia – When? - by Ir. G. Lalchand.
12.10 p.m.	Panel Discussion (Question and Answer Session) Moderator : Y. Bhg. Datin Badriyah Abdul Malik, Deputy Chief Secretary (Energy and Green Technologies), Ministry of Energy, Green Technologies and Water. The panelists will include the speakers and Dato' Prof. Dr. Kamaruzzaman Sopian, Head of the Sustainable Energy Research Institute at UKM
1.00 p.m.	End

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.