Chairman,

Electrical Engineering Technical Division, The Institution of Engineers Malaysia, Lots 60 & 62, Jalan 52/4, P.O. Box 223 (Jalan Sultan), 46720 PetalingJaya, Selangor DarulEhsan Tel: 03-7968 4001/2 Fax to 03-7957 7678 (Email : roselein@iem.org.my)

REGISTRATION FORM

ONE DAY COURSE ON

"ENERGY MANAGEMENT BASED ON MS ISO 50001"

Date : 6th May 2016

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

Closing Date : 3rd May 2016

No	Name(s)	M'ship No.	Grade	Fee (RM)*
		SU	B TOTAL	
		ADD	GST @6%	
Total Payable				

*Fees MUST be fully paid BEFORE the CLOSING DATE. Seats could only be confirmed upon payment.

Enclosed herewith a crossed cheque No: ________for the sum of RM _______ issued in favour of "The Institution of Engineers, Malavsia" 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.:	(0)	(Fax)		
	(H)	(HP)		
Email:				
Signature & Stamp		Date		



The Institution of Engineers, Malaysia

ONE DAY COURSE ON

"ENERGY MANAGEMENT BASED ON MS ISO 50001:2011

Organised by: Electrical Engineering Technical Division, IEM

Date : 6th May 2016

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

Time : 9.00 a.m. - 5.30 p.m.

BEM Approved CPD/PDP Hours: 7 Ref No: IEM16/HQ/141/C

REGISTRATION FEE (GST NOT INCLUDED)							
Registration Fee		Normal Fee	On-line Fee				
IEM Student Member	:	180.00	150.00				
IEM Graduate Member	:	300.00	250.00				
IEM Corporate Member	:	450.00	400.00				
Non IEM Member	:	1200.00	1100.00				
Closing Date: 3 rd May 2016							

Terms & Conditions:

- For ONLINE REGISTRATIONS, only ONLINE PAYMENT is applicable [via RHB and Maybank2u –Personal Saving & Personal Current ; Credit Card Visa/Master].
- Payment via CASH / CHEQUE / BANK-IN TRANSMISSION / BANK DRAFT / MONEY ORDER / POSTAL ORDER / LO / WALK -IN will be considered as NORMAL 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.
- Fee paid is not refundable. Registration fee includes lecture notes, refreshment.
- The Organizing 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.

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.

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.

Photocopies are acceptable

SYNOPSIS

Most energy efficiency targets in industries are achieved through changes in how energy is managed in an industrial facility, rather than through installation of new technologies. An energy management standard provides a method for integrating energy efficiency into existing industrial management systems for continuous improvement. Companies which have voluntarily adopted an energy management plan (a central feature of an EM standard) have achieved major energy intensity improvements.

This course will show how to:

- Develop a baseline of energy use
- Actively manage energy use and costs
- Reduce emissions without negative effect on operations
- Continue to improve energy use/product output over time
- > Document savings for internal and external use (e.g. emission credits)

It will also include on the methods to develop:

- A strategic plan that requires measurement, management, and documentation for continuous improvement of energy efficiency;
- A cross-divisional management team led by a representative who reports directly to the management and is responsible for overseeing the implementation of the strategic plan;
- Policies and procedures to address all aspects of energy purchase, use, and disposal;
- > Projects to demonstrate continuous improvement in energy efficiency;
- The creation of an energy manual, a living document that evolves over time as additional energy saving projects and policies are undertaken and documented;
- Identification of key performance indicators, unique to the company, that are tracked to measure progress;
- > Periodic reporting of progress to the management based on these measurements

Ir. FRANCIS XAVIER JACOB, was until recently, a Senior Analyst with the Energy Commission, Malaysia. He was previously the Director of Energy Management and Industrial Development in the Energy Commission, Malaysia. He had been with the Commission and the then Department of Electricity and Gas Supply since 1991. The Commission, among others, regulates the electricity and piped gas industries in Malaysia. Prior to this, he was with the Public Works Department Malaysia, where he was involved with the design and project management of public electrical installations. He was also, for some time, involved with the maintenance aspects of these installations. He is the Chairman of the Technical Committee on the Standards for Energy Management and also sits in various standards working committees.

Francis Xavier Jacob graduated in 1977 with a Bachelors of Engineering degree from the University of Malaya and also holds a Masters degree in Environment. He is a Professional Engineer and is a member of the Institution of Engineers Malaysia.

Ir. TEJINDER SINGH is a consultant to a supplier of services to a large energy company. He has worked in many industries, from steel manufacturing to semiconductor industry, from energy contracting to electrical consulting, from telecommunications to academia and ICT. He was involved in the design and installation of the electrical and ICT networks for many clients. He is also one of the few experts in both the electrical and cyber security domains. He is a certified National EnMS Expert by United Nations Industrial Development Organization (UNIDO), a Lead Auditor for ISO 27001, a Six Sigma Black Belt, a HRDF Certified Trainer, a GBI facilitator and a Certified Information Systems Security Professional (CISSP).

Tejinder Singh graduated in 1994 with a Bachelors of Science in Electrical and Computer Engineering from Tri-State University, Angola, Indiana, USA and also holds a Masters degree in Embedded Systems Design from University of Lugano, Switzerland. He is a Professional Engineer with Practicing Certificate and is a member of the Institution of Engineers Malaysia.

	PROGRAMME	
TIME	TOPIC	
9.00 am	Program introduction	
9.15 am	Overview of MS ISO 50001	
	 Background & Introduction 	
	Scope & Definitions	
	 Energy Management System Requirements 	
	 Implementation and Operation 	
	 Why isn't industry more energy efficient 	
	Overall Goal	
	Barriers to Improve EE	
10.15 am	Coffee break	
10.30 am	Top Management Responsibility	
	 Management Role – Foundation of the System 	
	 Foundation of Management Commitment 	
	 How does Top Management Demonstration Commitment 	
	 Energy Management Policy Basics and Document 	
	 Energy Management Planning – Legal and other Requirements 	
	Scope and Boundaries	
	Reporting	
	Energy Management Team	
	Roles, Responsibilities and Authority	
	Common Barriers & Typical Pitfalls	
	Tips for Success	
11.45 am	Taking the first step to reduce energy costs:	
	Introduction	
	Implementation and Operational Controls	
	Performance Checking	
	Management Review	
1.00 pm	Lunch	
2.00 pm	Energy Performance Indicators, Baselines and Regression Analysis	
	Energy Metrics	
	 Examples of Energy Performance Indicators 	
	Levels of Complexity	
	Other Indicators	
	Relation between Energy and Driving Factors	
	Performance Checking with EnPls	
	What are Energy Baselines	
	Targets and Baselines	
	Documents and Records	
3 30 pm	Tea break	
3 45 pm	Industrial Energy Efficiency	
or to pill	Concept, Methods and approaches	
	Industrial EE Polices and Program	
	Energy Audits	
	Energy Conservation Planning	
	Energy Efficiency Evaluation and Energy Balance Test	
	Lineigy Lincency Evaluation and Ellergy Baldrice rest	
	 ivieasuring and monitoring equipments. Energy intensity or consumptions has a breaking/baseling. 	
	Energy intensity or consumptions benchmarking/baseline	
E 4 E 15 15	verification of results from energy saving measures	
5.15 pm	мар ор	
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