

ST Approved  
CPD Hours : 8  
ST(IP/PPTKP/DSM)  
16/35/56(7)

**HRDF**  
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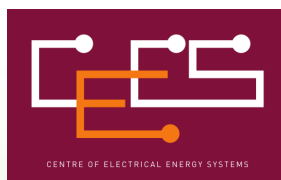
# Short Course on Efficient Energy Management in Commercial and Industrial Buildings

3 — 4 October 2018

Universiti Teknologi Malaysia Kuala Lumpur

**IEM**  
Approved  
CPD Hours : 13  
IEM18/SB/098/C

Organized by:



**UTM**  
UNIVERSITI TEKNOLOGI MALAYSIA

In

collaboration



with:



UTMSpace is a Training Provider under HRDF (Reg. No. 0902)

Industrial, commercial and domestic sectors use energy which involves energy cost. Energy cost can be significant and its utilization needs to be properly managed.

## Course Content

- Electricity tariff and load management
- Energy efficiency improvement of air-conditioning, boiler and steam systems
- Power factor correction
- Energy saving potential in electric motor, transformer and lighting system.
- Energy audit methodology

## What Will I Learn?

- How to select the best electricity tariff
- How to improve the energy efficiency of air-conditioning, boiler and steam systems
- How to improve power factor to reduce electrical energy consumption
- How to manage electric motor and transformer
- Lighting energy improvement measures

## Who Should Attend?

- Energy managers
- Professionals from any discipline
- Facility/maintenance managers or engineers
- Industry personnel who wish to implement energy management

## How Will I Benefit?

- Reduce energy costs
- Improve the energy-efficiency facilities
- Gain professional recognition
- Prepare organisation for setting up energy management system

## Registration

Limited to 30  
seats only

Registration must be made using the registration form enclosed with this brochure.

### Cancellation Policy

No refunds once payment made.

## Fees

**RM 1,950.00**

Fees are inclusive of course materials and meals. We reserve the right to carry out changes of the venue, speakers, topics and / or any of the details published.

## Speaker



**Prof. Ir. Dr. Mohammad Yusri Bin Hassan** works as a Professor in the Faculty of Electrical Engineering, Universiti Teknologi Malaysia (UTM). He has more than 25 years of experience in teaching electrical power engineering courses.

He is a Certified Energy Manager registered with ASEAN Energy Management Scheme (AEMAS), Registered Electrical Energy Manager (REEM) with Energy Commission Malaysia and Chartered Engineer registered with The Engineering Council United Kingdom.

He was involved in the "National Energy Conservation Study" under the Ministry of Energy Telecom and Post, Malaysia (METP) in 1993. He has served as an energy audit consultant on behalf of Institut Sultan Iskandar (ISI), UTM for the industries and commercial buildings. He is also a Working Group Member of Energy Efficiency of SIRIM and member of SIRIM Technical Committee on Energy Management.



**Ir. Dr. Hayati Bte Abdullah** is an Associate Professor at the Faculty of Mechanical Engineering, UTM. Ir. Dr. Hayati specializes in Thermodynamics, particularly in the area of Air Conditioning. She was trained in Energy Management in Sweden and is a Certified Energy Manager. Ir. Hayati is a Professional Engineer with Practicing Certificate registered with the Board of Engineers, Malaysia and a Chartered Engineer registered with The Engineering Council, United Kingdom. She has experience working as an energy management consultant for over 20 years and has worked in National Energy Conservation and Auditing projects including with international consultants such as ADEME from France.

Ir. Hayati is a Professional Engineer with Practicing Certificate registered with the Board of Engineers, Malaysia and a Chartered Engineer registered with The Engineering Council, United Kingdom. She has experience working as an energy management consultant for over 20 years and has worked in National Energy Conservation and Auditing projects including with international consultants such as ADEME from France.

**Ir. Md Shah Bin Majid** is a retired associate professor from the Faculty of Electrical Engineering, UTM with 30 years of experience in teaching electrical power engineering courses. He is a Professional Engineer registered with The Board of Engineers Malaysia. He served as an energy auditor for industrial and commercial sectors from 1991 to 2011.



## Program Schedule

Day	Time	Topic
1	8.30am	Registration
	9.00am	Refresher on Energy Manager's Roles
	10.00am	Tea break
	10.30am	Electricity Tariff and Electrical Load Management
	12.00pm	Energy Efficiency Improvement of Air-Conditioning System
	1.00pm	Lunch break
	2.00pm	Energy Efficiency Improvement of Air-Conditioning System
	3.00pm	Performance and Energy Savings Opportunities for Boilers
2	5.00pm	End of Day 1
	9.00am	Power Factor Correction
	10.00am	Tea break
	10.30am	Energy Saving Potential in Electrical Equipment - Electric Motor
	12.00pm	Energy Saving Potential in Electrical Equipment - Transformer
	1.00pm	Lunch break
	2.00pm	Energy Saving Potential in Electrical Equipment - Lighting System
	3.00pm	Energy Audit Methodology and Practical Demonstration
	5.00pm	End of Day 2

## Contact Details

- ♦ CEES Office
  - ✉ cees@utm.my
  - 🌐 <http://cees.utm.my>
- ♦ Ms. Siti 'Aisyah Abd Wahid
  - ✉ staisyah@utm.my
  - ☎ 019 - 7422143 (Handphone)
- ♦ Prof. Ir. Dr. Mohammad Yusri Bin Hassan
  - ✉ yusrih@utm.my
  - ☎ 019 - 7200271 (Handphone)



# Registration Form

## Short Course on Efficient Energy Management in Commercial and Industrial Buildings

Sponsorship ☐ Organization / Company ☐ Self-sponsored

Name \_\_\_\_\_ Mr / Mrs / Ms \_\_\_\_\_

Job Title \_\_\_\_\_ Department \_\_\_\_\_

Mobile No \_\_\_\_\_ Office No \_\_\_\_\_ Email Address \_\_\_\_\_

Invoice should be directed to

Name \_\_\_\_\_ Mr / Mrs / Ms \_\_\_\_\_

Job Title \_\_\_\_\_ Department \_\_\_\_\_

Name of Organization \_\_\_\_\_

Organization Address \_\_\_\_\_

Postcode \_\_\_\_\_

Office No \_\_\_\_\_ Fax No \_\_\_\_\_ Email Address \_\_\_\_\_

Kindly send the completed form to [cees@utm.my](mailto:cees@utm.my) to register.

An invoice will be sent to you once we have received your registration form.

Kindly make your payment by:

Credit Card

Register for a username and password and make the payment via:

<https://bit.ly/2tVLPAU>

Bank Transfer

All crossed cheque / bank draft should be made payable to:

Account Name: UTMSPACE

Account Number: 8601518228

Bank Name: CIMB ISLAMIC BANK BERHAD

Branch: UTM Skudai, Johor

Swift Code: CTBBMYKL