



The Institution of Engineers, Malaysia

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Talk on “EMBEDDING SUSTAINABILITY INTO PRODUCT DESIGN USING SYSTEMS APPROACH”

Co-organised by Chemical Engineering Technical Division & Mechanical Engineering Technical Division
BEM Approved CPD/PDP Hours: 2 Ref. No.: IEM11/HQ/391/T

Date: 9 March 2012 (Friday)
Time: 5.30 p.m. – 7.30 p.m.
(Refreshments will be served at 5.00 p.m.)
Venue: C&S Lecture Room, 2nd Floor, Wisma IEM, PJ
Speaker: Dr. Yap Eng Hwa

SYNOPSIS

Climate change is now ranked as one of humanity's greatest challenges. With rising public concerns and mounting pressures from NGOs as well as international treaties and governmental legislations, the move towards sustainability is now eminent. These recent developments have a causal effect onto how we conduct our lives. In product design, sustainability affects how the design of a product has to change from conceptualisation to manufacturing, distribution and retirement. In other words, there is now an urgency to re-think the way we do things. In this talk, using systems thinking and systems theory to embed sustainability into product design is considered and its effects upon environmental improvements are discussed. First principles of a system will be re-visited and deconstructed to investigate how sustainability can be incorporated into product design.

BIODATA OF SPEAKER



Dr. Yap Eng Hwa is an Assistant Professor with the University of Nottingham Malaysia Campus. Currently he is the Course Director for MSc Mechanical Engineering. Dr. Yap's research work at the University is focused largely on renewable energy and sustainability, carbon capture and storage (CCS) deployment and policy, sustainable transport as well as project management. He joined the Department of Mechanical, Materials and Manufacturing Engineering in 2008 after completing his PhD at University College London. Dr. Yap's previous work in marine and offshore engineering involved looking into the generation of clean energy using stranded offshore natural gas with a 'floating power station'.

Ir. Assoc. Prof. Dr. Thomas Choong Shean Yaw
Chairman
Chemical Engineering Technical Division, IEM

ANNOUNCEMENTS

1. Talk is **STRICTLY** for IEM members only (pre-registration is **NOT** required).
2. Telephone and/or fax reservation will **NOT** be entertained.
3. Limited seats available on a “first come first served” basis (maximum 110 participants).
4. IEM members are required to produce your membership cards for confirmation of attendance (CPD purpose).
5. Latecomers will not be allowed to enter if the lecture hall is full nor be entitled to CPD.

IEM members who fail to produce their membership cards will be charged a fee of RM20.00.

FUNDS FOR IEM BUILDING FUND (WISMA IEM)

- Please be informed that IEM will be charging participants **RM10.00 administrative fee for talks organized by IEM. Students are however exempted.**
- The fee would be used for overhead costs, building maintenance expenses as well as to support the purchase of the new building.
- All contributions will be deeply appreciated by IEM. Your understanding is greatly appreciated.

CPD HOURS CONFIRMATION

Name:

Membership No.:

Signature:

Date: