

REGISTRATION FORM

Fax: 03-7957 7678 Email: meitzy@iem.org.my

One Day Course on Process Integration for Waste Minimization and Production Carbon Footprint Reduction
19 December 2011 (Monday)

Name(s)	Grade & Membership No.	Fees (RM)
Total Amount Payable		

Company: _____

Address: _____

Mobile: _____ Tel(O): _____ Fax: _____

E-mail: _____

Please write clearly as the "Notification Update" will be sent via email.

Contact Person: _____ Designation: _____

Signature: _____ Date: _____

PAYMENT DETAILS

Cash RM _____

Cheque no. _____ for the amount of RM _____
 (non refundable) and made payable to "THE INSTITUTION OF ENGINEERS, MALAYSIA" and crossed 'A/C Payee Only'".

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 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. Registration fee includes lecture notes, refreshment and lunch.

For **ONLINE REGISTRATIONS**, please note that payment **MUST** be made **within 7 days** of the registration date. If payment is not received within the stipulated time, the registration fee will be reverted to the normal registration fee.



ONE DAY COURSE ON
Process Integration for Waste Minimization and
Production Carbon Footprint Reduction

by
 Prof. Ir. Dr. Dominic C. Y. Foo

19 December 2011 (Monday)
 9.00 am – 5.00 pm

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

Registration fees

Grade	Normal (Offline)	Online Registration
IEM Student Member	RM200	RM190
IEM Graduate Member	RM400	RM380
IEM Corporate Member	RM600	RM570
Non IEM Member	RM800	RM760

Closing Date: 14 Dec 2011

BEM Approved CPD/PDP Hours: 6

Ref. No.: IEM11/HQ/353/C

Organised by:
 Chemical Engineering Technical Division

Important Note: IEM members are required to produce their IEM membership cards for CPD scanning at the start and end of the course.

TENTATIVE PROGRAMME

Time	Programme
8.30 - 9.00 a.m.	Registration
9.00 - 9.30 a.m.	Session 1: Introduction to process integration
9.30 - 10.00 a.m.	Refreshment Break
10.00 - 10.45 a.m.	Session 2: Data extraction principle
10.45 - 11.30 a.m.	Session 3: Graphical targeting technique for waste minimization
11.30 a.m. - 12.30 p.m.	Session 4: Design for resource conservation networks
12.30 - 1.30 p.m.	Lunch Break
1.30 - 2.00 p.m.	Session 5: Introduction to production carbon footprint reduction
2.00 - 3.30 p.m.	Session 6: case study on phytochemical production
3.30 - 4.00 p.m.	Tea Break
4.00 - 5.00 p.m.	Session 7: case study on chlor-alkali plant
5.00 p.m.	End of Workshop

BIODATA OF SPEAKERS

Prof. Ir. Dr. Dominic C. Y. Foo

Ir. Dr. Dominic Foo is a Professor of Process Design and Integration at the University of Nottingham Malaysia Campus, and is the Director for the Centre of Excellence for Green Technologies. He is a world leading researcher in process integration for resource conservation. He establishes international collaboration with researchers from various countries in the Asia, Europe, American and Africa. Dominic Foo is an active author, with two fore-coming books, more than 65 journal papers and made more than 120 conference presentations. He served as an International Scientific Committee for several important conferences (CHISA/PRES, FOCAPD, ESCAPE, PSE, etc.). He is the winner of the Innovator of the Year Award 2009 of Institution of Chemical Engineers UK (IChemE), as well as the 2010 Young Engineer Award of the Institution of Engineers Malaysia (IEM). He actively conducts professional training for practicing engineers.

SYNOPSIS

Due to the growth of world population and concurrent economic development, the demands for natural resources such as natural gas, crude oil and water are increasing rapidly. For instance, global water withdrawal for most uses (i.e. domestic, industrial, and livestock) is projected to increase more than 50% by 2025. Fossil fuels (petroleum and other liquid fuels, natural gas, and coal) are expected to continue supplying much of the energy used worldwide. Furthermore, increase of public awareness towards environmental sustainability is reflected in more stringent emission legislation that has motivated the process industries to look into cost effective and more sustainable manufacturing processes. One of the active areas for cost reduction and sustainable process development is resources conservation activities, where *process integration* and *pinch analysis* techniques have been well recognised as promising tools. In this workshop, the targeting philosophy of process integration is emphasised, where rigorous targets for waste minimisation and carbon footprint reduction can be identified.

The workshop will introduce you to the following topics:

- ✓ How to identify a rigorous benchmark target for waste minimization in a process plant?
- ✓ How to design a resource conservation network that achieves maximum recovery?
- ✓ How can opportunities for carbon footprint reduction be identified?

Terms & Conditions:

The fee paid is non refundable. However substitution of participants(s) will be permitted with approval by IEM. In view of the limited places available, intending participants are advised to send their registrations as early as possible so as to avoid disappointment.

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.

For further details, kindly contact:

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