Registration Form

Please email/ fax the registration form to IEM at meitzy@iem.org.my/ 03—7957 7678.

Name (s)	Grade & M'ship No.	Fees (RM)
Total Amount Payable		

Enclosed herewith a crossed cheque no. _____ for the amount of RM_____ (non-refundable) and made payable to "**THE INSTITUTION OF ENGINEERS, MALAYSIA**".

Company: _____

Address: _____

Mobile:_____ Tel. (O):_____

Fax:_____ Email:_____

Contact Person:_____ Designation:_____

Signature:_____ Date:_____

Registration fee

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

IMPORTANT NOTES

For ONLINE REGISTRATIONS, only ONLINE PAYMENT is applicable [viz. RHB and Maybank2u – Personal Saving & Personal Current ; Credit Card – Visa/ Master ; MEPS FPX – Bank Islam Personal Account, CIMB Clicks Personal Account & CIMB Biz Channel Business Account, Hong Leong Bank Personal Account, Maybank2u Personal Account & Maybank2e Business Account, Public Bank Personal Account and RHB Bank Personal Account].

Payment via **CASH, CHEQUE, BANK-IN TRANSMISSION, BANK DRAFT, MONEY ORDER, POSTAL ORDER, L/O or WALK-IN** will be considered as **NORMAL REGISTRATION.**

For online registrations, please note that payment MUST be made before the closing date at the latest. If payment is not received and verified within the stipulated time, the registration fee will be reverted to the normal registration fee.

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. Registration fee includes lecture notes, refreshments and lunch. IEM reserve the right to reject any L/O not in accordance with these instructions. 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.

For further details please contact:
Chemical Engineering Technical Division
c/o The Institution of Engineers, Malaysia
Bangunan Ingenieur, Lots 60/ 62, Jalan 52/ 4,
P.O. Box 223 (Jalan Sultan),
46720 Petaling Jaya, Selangor.
Tel.: 603 – 7968 4001/ 2 Fax: 603 – 7957 7678
Email: meitzy@iem.org.my
Website: www.myiem.org.my

ONE-DAY WORKSHOP ON INDUSTRIAL WASTEWATER ANALYSIS

Workshop Instructor:
Ir. Assoc. Prof. Dr Chong Mei Fong

9th July 2012 (Monday)
9.00 am – 4.00 pm

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

BEM Approved CPD/ PDP hours: 5

Ref. No.: IEM12/HQ/162/W

Closing Date: 6th July 2012

ORGANIZED BY

CHEMICAL ENGINEERING TECHNICAL DIVISION

Introduction

The fluctuation of effluent quality is always a challenge for industrial wastewater treatment. Wastewater analysis conducted by competent personnel is very important to provide accurate characteristics of the effluent so that the actual condition of the treatment efficiency can be evaluated effectively. In practice, precise and consistent measurement is sometimes difficult to obtain and is mainly due to the lack of knowledge and experience in analysis for most cases.

The workshop on "Industrial Wastewater Analysis" is aimed to help in capacity building and to build confidence in industrial wastewater monitoring and analysis. **Technicians, engineers, chemists, scientists and researchers who work in water and wastewater related areas are greatly welcome.** The objective of this workshop is to provide knowledge, introductory training and basic skills on industrial wastewater analysis through lectures and discussion. Some simple hands-on demonstration will be arranged during the workshop.

Tentative programme

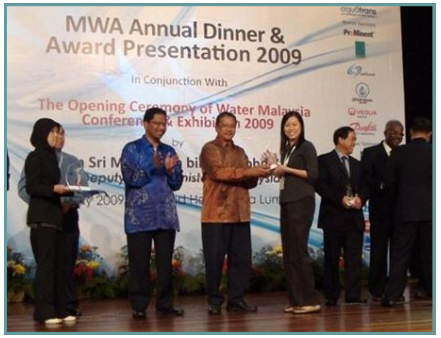
Time	Programme
9.00 am – 10.00 am	***Registration and Morning Refreshment***
10.00 am – 10.15 am	Introduction to water chemistry and quality
10.15 am – 10.30 am	Legal compliance of Environmental Quality Act 2011
10.30 am – 10.45 am	APHA methods for industrial wastewater analysis
10.45am – 11.15 am	***Morning Tea Break***
11.15am–12.00noon	Pre-requisite skills (Samples handling, Dilution Method, Calibration Curves, Replicates and etc.)
12.00noon–12.30pm	Background of calorimetric method and spectrophotometry
12.30 pm – 1.30 pm	***Lunch***
1.30 pm – 2.30 pm	Measurement of common parameters (COD, BOD and TSS)
2.30 pm – 3.00 pm	***Afternoon Tea Break***
3.00 pm – 3.30 pm	Common problems and trouble-shooting
3.30 pm – 4.00 pm	Q&A & Session End

Biography

Chong Mei Fong
BEng, PhD, MIEM, PEng,
Associate Professor,
Department of Chemical and Environmental Engineering,
The University of Nottingham, Malaysia.

Ir. Assoc. Prof. Dr Chong Mei Fong obtained her BEng (Chemical) at Universiti Teknologi Malaysia (UTM) and her PhD at Universiti Sains Malaysia (USM). She received several "Sanggar Sanjung" awards for publications with journals of high impact factor. She joined The University of Nottingham, Malaysia Campus as an Assistant Professor to start her professional career. In 2009, she worked as a visiting scholar to Chung Yuan Christian University (CYCU), Taiwan. In the same year, **the WaterInno Award gold medal was conferred on her for her outstanding works on wastewater treatment**.

WaterInno Award 2009



Despite her short academic career, she has been promoted to Associate Professor in 2011 in recognition of her excellence research output. She is also the Deputy Head for Environment Research Division and chairs the Faculty Postgraduate Research Committee. She was active in the Chemical Engineering Technical Division too. She has approximately 20 international publications with 1 book, 2 book chapters and several research grants with a total funding of more than RM2 million.

Research interests:

Ir. Assoc. Prof. Dr Chong Mei Fong specializes in membrane technology for high strength wastewater treatment, anaerobic and aerobic treatment systems, adsorption process for boron removal and membrane reactor for biodiesel production. Her works involve both modeling and experimental studies with the range from bench scale research to proof of concept by using prototypes. Currently, she is looking at the research in pilot plant scale which will eventually lead to patent development and commercialization. Her projects are funded by Malaysian government bodies and research institutions such as Ministry of Science, Technology and Innovations (MOSTI), Federal Land Development Authority (FELDA) Foundation and Malaysian Palm Oil Board (MPOB).

She is also engaged with several industrial projects with companies. Those projects mainly focus on the exploration of new commercially viable techniques to achieve different targets simultaneously, such as maximizing energy recovery from wastewater, optimizing wastewater treatment efficiency, upgrading of treatment plant capacity and improvement on treated effluent quality. She has undertaken a few consultation works and professional services such as wastewater characteristics study (WWCS), consultations related to the environmental regulations, process design and optimization of treatment plants, trouble-shooting and plant commissioning and trials.