

Chairman,
 Water Resources Technical Division,
 The Institution of Engineers Malaysia,
 Lots 60 & 62, Jalan 52/4,
 46720 Petaling Jaya, Selangor
 Tel: 03-7968 4001/2 Fax to 03-7957 7678
 Homepage: www.myiem.org.my
 Email: fauzi@iem.org.my

REGISTRATION FORM

'ONE-DAY COURSE EROSION AND SEDIMENT CONTROL'

29th April 2014 (Tuesday)

Closing Date : 22nd April 2014

No	Name(s)	M'ship No.	Grade	Fee (RM)*
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, Malaysia" 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.: _____ (O) _____ (Fax)

_____ (H) _____ (HP)

Email: _____

 Signature & Stamp

 Date

Photocopies are acceptable



**ONE-DAY COURSE ON EROSION
 AND SEDIMENT CONTROL**

By

DATO' AHMAD FUAD EMBI, PE, CPESC

Date : 29th April 2014 (Tuesday)

Venue : Tan Sri Chin Fung Kee Auditorium, 3rd Floor
 Wisma IEM, Petaling Jaya, Selangor

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

BEM Approved CPD/PDP Hours = 7
 Ref. No: IEM14/HQ/099/C

Registration Fee

	<u>Normal</u>	<u>On-line</u>
IEM Student Member	: RM110.00	RM100.00
IEM Graduate Member	: RM300.00	RM250.00
IEM Corporate Member	: RM450.00	RM400.00
Non IEM Member	: RM600.00	RM550.00

TERMS & CONDITIONS:

- FOR ONLINE REGISTRATIONS, ONLY ONLINE PAYMENT IS APPLICABLE [VIA CREDIT CARD]
- PAYMENT VIA CASH / CHEQUE / BANK-IN TRANSMISSION / BANK DRAFT / MONEY ORDER / POSTAL ORDER / LO / 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 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. IF THE PARTICIPANT FAILED TO ATTEND THE COURSE, THE FEE PAID IS NON REFUNDABLE. REGISTRATION FEE INCLUDES LECTURE NOTES, REFRESHMENT AND LUNCHES.
- 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.

Synopsis

Soil erosion and the consequent sedimentation of waterways is the biggest single cause of waterway pollution all over the world. Erosion and sedimentation have both environmental and economic impacts. Among others, they destroy aquatic life, reduce reservoir capacity, cause flash floods and drastically reduce the value of rivers for recreation, an important factor in the quality of life in developed countries.

In the past few decades the country has experienced rapid land development for urbanization with increased logging and sand mining, as well as the opening up of huge tracts of forest land for resettlement and plantation agriculture; all of which has resulted in rivers and coastal areas receiving massive sediment loads.

In urban areas the biggest contributor of sediment to rivers is earthworks for land development. It was only in 2005 that Erosion and Sediment Control Plans (ESCP) were made mandatory for earthwork applications on new developments. They are still not effective in tackling the problem mainly due to a lack of competency at all levels from contractor to regulator in this new field of ESC.

An NGO, the Malaysian Stormwater Organization (MSO) was registered in 2011 with the objective of certifying professionals in the field of ESC; a proven way of overcoming the problem of incompetency among those preparing ESCPs.

This course is part of the overall objective of spreading awareness on the problem and an overview on how it can be tackled.

About The Course Leader



Dato' Ahmad Fuad Embi retired from the Drainage and Irrigation Department (DID), Malaysia in 2007. His last position was as Deputy Director-General I. He qualified with a BE (Canterbury, NZ) in 1976, a DHE (Delft) in 1981, and an MSc (Southampton) in 1986. While at the DID, he was a pioneer in sustainable river management and in managing storm water through source detention strategies. He led efforts to produce the Malaysian "Manual on Urban Storm water Management" in year 2000 and in extensive training of engineers in the new methodologies.

He is a founder member of the Malaysian Storm water Organization (MSO), an NGO set up in 2008 to train and certify erosion and sediment control professionals under an agreement with EnviroCert International, USA. The move has led to growing ESC competency in government agencies. Dato Fuad is also a strong proponent of rainwater harvesting as a means of water conservation, starting a pilot project at his former DID HQ in Kuala Lumpur in 2002.

As an Adjunct Professor at UKM he is involved in pilot research for affordable solutions to control pollution from Batek cottage industry, Wet markets and Keropok factories in the East coast; besides the development of a "Hydromulch" for erosion and sediment control.

Dato Fuad is a registered Professional Engineer (PE) with the Board of Engineers, Malaysia as well as a Certified Professional in Erosion and Sediment Control (CPESC) with EnviroCert International, USA.

PROGRAMME

800am - 900am Registration

Introduction To Erosion & Sediment Control

- General Principles & History

Laws & Regulations

- Federal & State Regulations

1030am - 1045am Tea Break

Site Planning & Management

- Resources Planning : Factors that Influence Erosion

Runoff Management

- Planning and Consideration for Runoff Management

- Runoff Management Measures

1230nn - 130pm Lunch

Erosion Control

-Soil Stabilization

-Vegetative Measures

315pm - 330pm Tea Break

Sediment Control

- Introduction

- Sediment Management Practice

Erosion and Sediment Control Plan (ESCP)

- Gen. Principles

5.30 pm END

After the completion of the Course, you are expected to be able to:

- Better understand the regulations and requirements for an Erosion and Sediment Control Plan (ESCP)
- Understand Best Management Practices (BMPs) and their role in controlling erosion and sedimentation
- Plan earthworks activities more efficiently so that there will be less remedial work for sediment problems on-site
- Implement BMPs on-site more effectively
- Help to reduce damage to river water quality as a result of earthworks activities

Who Should Attend:

- Engineers working with contractors and developers
- Project managers and site supervisors
- Engineers working for Local Authorities
- Engineers working for other Govt regulators
- Management staff of Contractors and Developers