



The Institution of Engineers, Malaysia (Penang Branch)

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BEM Approved
CPD Hours: 4
Ref No: IEM09/PG/124/S

HALF-DAY SEMINAR ON **“Introduction to Stormwater Management & Flood Modeling”** **- Case Studies from Malaysia & Around the World**

Presented by:
Lestari Software Enterprise / XP Software

Date: 30th May 2009 (Saturday)

Time: 8.30 a.m. to 1.00 p.m.

Venue: IEM Penang Office

Synopsis:

The recent floods in the country left many areas and cities (Kuching - 11th Jan 2009, Kuala Lumpur - 3rd Mac 2009, Johor Bahru - 9th Mac 2009) inundated with water, resulting in massive destruction on property. Our metropolitans and its adjacent catchments are rapidly urbanizing. If we do not have a proper drainage network to cater for the rapid runoff it will be more vulnerable to flood.

What can we do to improve the drainage system? Computer modeling of urban drainage allows engineers to make informed cost-effective designs and improvements to protect property and life.

This Seminar will provide a basic understanding on hydrology & hydraulic. During the Seminar, we will discuss *xpswmm* stormwater management & flood modeling case studies from Malaysia and around the world. A brief introduction on applications and capabilities of *xpswmm* software in modeling urban drainage, detention ponds, drainage master plans, river flood mapping and stormwater quality will be presented.

Speaker's Biodata:

Dr. Ashis Dey is currently a Principal with the Cardno Group in the XP Software business unit. Ashis has over 16 years of experience in the area of flooding and mitigation, integrated urban 1D/2D modeling, computational fluid dynamics. Over the last five years Ashis has been key personnel in product development of *xpswmm2D*. He has also lead various flood studies, working with Councils and consultants around Australia. Prior to moving to Australia, Ashis worked as a consultant with Pacific Consultants in Tokyo, Japan as well as a lecturer at Rajshahi University of Engineering and Technology in Bangladesh.

Programme	
08:30 - 09:00 AM	Registration
09:00 - 09:20	Introduction to hydrology & hydraulic <ul style="list-style-type: none"> • What is stormwater management & flood model? • xpswmm capabilities & applications
09:20 - 09:40	Typical urban drainage example from Malaysia using xpswmm <ul style="list-style-type: none"> • Template file for Malaysia (Pre load design rainfall & infiltration rate from DID's MASMA Manual)
09:40 - 10:30	Drainage master plan from Malaysia & Australia <ul style="list-style-type: none"> • Importing data from GIS • Stormwater networks with storage (pond) and tidal boundary conditions • Generation of dry weather sanitary flows • Calibration of wet weather RDII
10.30 - 10.45	Tea Break and Networking
10:45 - 11:30	River modeling examples <ul style="list-style-type: none"> • Simulation of cross sections, bridges and culverts
11:30 - 12:30	Integrated 1D/2D modeling <ul style="list-style-type: none"> • Urban drainage demonstration - Wollongong, Australia • Urban drainage case studies (Around the world)
12:30 - 13:00 PM	Question and Answer

REGISTRATION FORM

Half-Day Seminar on "Introduction to Stormwater Management & Flood Modeling" - Case Studies from Malaysia & Around the World

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REGISTRATION FEES

Student	Graduate	IEM Member	Non-IEM Member	Senior IEM Member > 55 yrs
RM 5.00	RM 15.00	RM 50.00	RM 80.00	FOC

(Closing Date: 23rd May 2009)

Name of Organisation:

Address:

Tel: Fax: Email:

We wish to register the following person(s) for the seminar:

NO.	NAME	HANDPHONE	IEM NO.	BEM NO.	FEES (RM)
1.					
	New IC:				
2.					
	New IC:				
3.					
	New IC:				
4.					
	New IC:				

Contact Person:

Designation:

Signature:

Date: