



The Institution of Engineers, Malaysia (Sabah Branch)

Lot 25, 3rd Floor, Block C, Damai Point Commercial Centre, Lorong Damai Point, Jalan Damai, 88300 Luyang, Kota Kinabalu, Sabah Tel : 088-259122 (2 lines) Fax : 088-236749 E-mail : iemsabah@sabah.org.my

Half Day Presentation on “Introduction to Stormwater Management and 1D/2D Flood Modeling – Case Studies from Around the World”

Date : 25th October 2010 (Monday)
Time : 1.30pm – 5.30pm
Venue : IEM Sabah Training Centre, Lot 25-3, Damai Point, Luyang, Kota Kinabalu

BEM Approved
CPD HOURS: 3.5
IEMSABAH/2010/19

Registration Fees (per person)

Membership Grade	Fees**
IEM Member	RM40
Non Member	RM60

SYNOPSIS

Climate change has caused serious flooding in many countries around the world. Our cities and its adjacent catchments are rapidly developed. If we do not have a proper drainage network to cater for the rapid runoff it will be more vulnerable to flood.

The recent floods in the country left many areas and cities (Kota Marudu district – Jan 2010, Kinabatangan – Jan 2010, Kelantan – Dec 2009) inundated with water, resulting in massive destruction on property.

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 presentation will provide a basic understanding on hydrology and hydraulic. A brief introduction of software applications and its capabilities in modeling urban drainage, detention ponds, drainage master plans, river flood mapping and stormwater quality will be presented.

PROPOSED PROGRAMME

01.30pm	Registration
02.00pm	Introduction to hydrology and hydraulic What is stormwater management and flood model? xpswmm software capabilities and applications
02.20pm	Typical urban drainage examples using xpswmm Data requirement to model urban drainage with storage and outlet conditions Low Impact Development Strategies (LID)
02.40pm	Drainage master plan from Australia and USA Importing data from AutoCAD and GIS Stormwater networks with storage (pond) and tidal boundary conditions
03.30pm	Teabreak
03.45pm	River modeling examples Simulation of cross sections, bridges and culverts
04.30pm	Integrated 1D/2D modeling Urban drainage demonstration: Flood Hazard Map – Wollongong, Australia Urban drainage case studies (Around the world)
05.15pm	Q & A
05.30pm	End

SPEAKERS' BIODATA

DR. ASHIS DEY is currently a Principal of XP Software. Dr. Ashis has over 18 years of experience in the area of flooding and mitigation stormwater modeling, integrated urban 1D/2D modeling, computational fluid dynamics. Over the last 5 years Dr. Ashis has been a key person in product development of xp2D. He has also led various flood studies, working with Councils and consultants around Asia Pacific regions. He has published many technical papers in various journal and peer reviewed conferences. This year, Dr. Ashis conducted 1 public workshop in Kuala Lumpur. In 2009, Dr. Ashis conducted 2 stormwater management seminars in IEM Penang & UiTM, Shah Alam respectively, 1 public workshop & 1 in-house training cum model assistance in Malaysia.

REGISTRATION FORM

**Half Day Presentation on
 "Introduction to Stormwater Management and 1D/2D Flood Modeling"**

I/We wish to participate in the above presentation on Thursday, 25th October 2010. (1.30pm to 5.30pm)

Name (s)	Membership No.	Grade	Registration Fees (RM)
		Total	
	RM		

Contact Person :

Designation :

Address :

Tel No. :

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Fax No. :

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Organization :

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 (Date)

- Please bring along this flyer for confirmation of attendance -

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 (Signature)

-Photostat copies are acceptable -

I/We understand that the fee is not refundable if I/we withdraw after my/our application(s) is/are accepted by the IEM Sabah. However, substitution of participants will be allowed. If I/we fail to attend the course, I/we will still settle the registration fee in full.