



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



Organiser:

Water Resources and Environmental Systems Division, Faculty of Civil Engineering,
 Universiti Teknologi Mara Malaysia & Lestari Software Enterprise

Date: **2nd June 2009 (Tuesday)**

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.

Programme	
08:30 - 09:00	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	<i>Networking & tea break</i>
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	Question and Answer

About the speaker

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.

For more details please contact

LSE: Ms. SY Loke @ 03 - 9010 4368 or 012 306 3510
 UiTM: Assoc. Prof. Ir. Dr. Aminuddin Baki @ 03 - 5543 6179
 Mrs. Norashikin Ahmad Kamal @ 03-5543 6167



UNIVERSITI
TEKNOLOGI
MARA

PEMENANG
Anugerah Kualiti
Perdana Menteri
2008



**Introduction to Stormwater Management & Flood Modeling
- Case Studies from Malaysia & Around the World**



Date: **2nd June 2009 (Tuesday)**
Time: 08:30 to 13:00
Venue: Al-Jazari Seminar Room, Faculty of Civil Engineering, Level 6, Block 1,
Science and Technology Complex, Universiti Teknologi Mara, Shah Alam, Selangor

REGISTRATION FORM

Fax: 03 - 9010 4328

No.	Name(s) in CAPITALS	Email	Hp
1.			
2.			
3.			
4.			
5.			

Fee: RM30/participant

Enclosed herewith is a crossed cheque no:.....for the sum of RM..... issued in favor of **Lestari Software Enterprise**. I/We understand that the fee is not refundable if I/We withdraw after my/our registration(s) is/are accepted but substitution of participant(s) will be allowed. The Organizer reserves the right to cancel, alter or change the programme due to unforeseen circumstances. Every effort will be made to inform the registered participants of any changes. A Coffee/Tea Break will be provided.

Name of Department/Organization: _____

Address: _____

Tel : _____ Fax: _____ E-mail: _____

Contact Person: _____ Designation: _____

Date: _____ Signature: _____

How to register

Complete and fax the registration form back to **03 - 9010 4328**
Registered mail or courier the form with payment to address below
Please make cheque payable to **Lestari Software Enterprise**

Address: No. 5-2, Jalan Temenggung 5/9, Bandar Mahkota Cheras, 43200 Cheras, Selangor
Tel (03) 9010 4368 • FAX (03) 9010 4328

*Closing Date for registration & payment: 28 May 2009, Thursday
(Limited to 80 total participants)*