



**PEMENANG**  
Anugerah Kualiti  
Perdana Menteri  
2008



UNIVERSITI  
TEKNOLOGI  
MARA



**Seminar on  
Flood Modeling & Management  
- Case Studies using xpswmm 2D**

Organiser:

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

Date: **5<sup>th</sup> December 2011 (Monday)**

**Synopsis**

Malaysia is a country relatively safe from natural disasters except flood. Flood occurrence could be due to many reasons with rapid development and lack of proper management being the main causes.

Flood damage is hard to quantify especially when it involves loss of lives. How do we minimize the occurrence of flood and the damage caused? Flood management with early flood warnings; flood forecasting and up-to-date technical control of hydraulic engineering structures are some of the solutions.

Computer modeling has become significant today, allowing engineers to produce informed cost-effective designs and improvements to protect property and life.

This Seminar will provide a basic understanding on flood modeling & management. During the Seminar, we will discuss xpswmm 1D model, 2D model & integrated 1D/2D Flood modeling case studies from around the world. A brief introduction on applications and capabilities of xpswmm software in flood modeling and mitigation options like detention ponds and flood mapping will be presented.

8:30 - 9:00	Registration
	<b>A Grid Rainfall-Runoff Model Using Remote Sensing Data (Pn. Jurina)</b>
	<b>Introduction To Flood Modeling</b> What is ✓ 1D Model ✓ 2D Model ✓ Integration 1D/2D Model
	<b>Urban Flood Management</b> ✓ Flooding in Urban Streets ✓ Flood Management - hydraulic structures including ponds, outfalls, Inlets etc.
10:30 - 10:45	<i>Networking &amp; Tea Break</i>
	<b>River Flood Management</b> ✓ 2D River Flooding ✓ 1D River Floods & 2D Overland Floods ✓ Flood Inundation Mapping & Hazard Classification ✓ Introduction to Dam break /Levee Breach Modeling
	<b>Flood Models - Case Study Using xpswmm 2D</b>
12:30 - 13:00	<i>Question &amp; Answer</i>

**About the speakers**

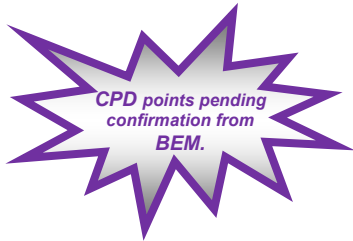
**Pn. Jurina Jaafar** is currently a lecturer in UiTM and pursuing her PhD study in Water Resources. In 2003, she obtained her Master degree from Stuttgart University, Germany in the field of Water Resources Engineering. Apart from lecturing she is also actively involved in water engineering research projects.

**Dr. Ashis Dey** has over 18 years of experience in the area of flooding and mitigation, storm water modeling, integrated 1D/2D modeling, computational fluid dynamics, and is currently a Principal of XP Software. He did his Masters and PhD on flow and sediment modeling in rivers and floodplains. Over the last five years Ashis has been a key person in product development of **xp2D**. He has lead various flood studies, worked with councils and provided consulting services around Asia Pacific regions. Ashis has been providing **xpswmm** and **xpstorm** training for the last 5 years. He has published many technical papers in various journal and peer reviewed conferences.

**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 or Dr. Marfiah Abdul Wahid 03-5543 7828



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Date: **5<sup>th</sup> December 2011 (Monday)**  
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	Fee for No. of participant/s
1.				<b>1 = RM90</b>
2.				<b>2 = RM160</b>
3.				<b>3 = RM210</b>
4.				<b>4 = RM260</b>
5.				<b>5 = RM300</b>

Fee: RM90/participant

\* Please provide full name to be printed on certificate

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: **29 November 2011, Tuesday**  
(Limited to 80 total participants)