



The Institution of Engineers Malaysia  
(Sarawak Branch)

*Proudly presents*

**Half-Day Seminar on:**

**“INTRODUCTION TO STORMWATER MANAGEMENT  
&  
FLOOD MODELING WITH xpswmm”**

**Seminar – 4 hours CPD  
for Professional Engineers registered  
with BEM with full attendance  
Ref: IEM08/S'WAK/044/S**

**Date:** 2 April 2008 (Wednesday)  
**Time:** 8:30am to 12:30 noon  
**Venue:** Auditorium, Ultimate Professional Centre  
**Speaker:** Mr. Tony Kuch

**Sponsor:** Lestari Software Enterprise



**Abstract**

The end of 2006 and 2007 saw serious floods in many parts of Malaysia, resulting in massive destruction on property. A lot of money is lost in damage due to flooding. 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 brief introduction on stormwater management and flood modeling. The Seminar will discuss the applications and capabilities of **xpswmm** software in modeling urban drainage, detention pond, drainage master plans and river flood mapping. Case studies from around the world will be discussed during the Seminar.

**xpswmm** is a comprehensive software package for modeling stormwater, sanitary and river systems. **xpswmm** is used by scientists, engineers and managers to develop link-node (1D) and spatially distributed hydraulic models (2D). It simulates natural rainfall-runoff processes and the performance of engineered systems that manage our water resources.

**Speaker CV**

**Tony Kuch** has been with XP Software for more than 14 years. He is currently the Vice President of International Operations and a Senior Principal based out of the Portland, Oregon office in the USA. His duties include providing technical support and modeling advice to worldwide users and coordinating sales and training activities with a network of Asian distributors. He has authored several technical papers and instructed at over 100 public workshops and in-house training seminars including several in Malaysia.

Tony graduated from the University of Guelph in Canada, where he completed his Masters of Science in Water Resources Engineering. His MSc (Eng) thesis was on developing decision support software tools for sensitivity analysis and calibration of the renowned SWMM.

# “INTRODUCTION TO STORMWATER MANAGEMENT & FLOOD MODELING WITH xpswmm”

**Date:** 2 April 2008 (Wednesday)  
**Time:** 8:30am to 12:30 noon  
**Venue:** Auditorium, Ultimate Professional Centre

PROGRAMME	
-----------	--

<b>08:30am – 09:00am</b>	<b>Registration</b>
<b>09:00am – 09:45am</b>	<b>Introduction to xpswmm</b> <ul style="list-style-type: none"><li>- History of xpswmm</li><li>- Typical applications</li><li>- Model capabilities</li><li>- Typical urban drainage example</li></ul>
<b>09:45am – 10:15am</b>	<b>Urban Water Modeling - Examples from USA and Malaysia</b> <ul style="list-style-type: none"><li>- Importing data from GIS</li><li>- Generation of dry weather sanitary flows</li><li>- Callibration of wet weather RDII</li><li>- Stormwater networks with storage (pond) and tidal boundary conditions</li></ul>
<b>10:15am – 10:30am</b>	<b>Tea Break</b>
<b>10:30 am – 11:00am</b>	<b>River Modeling Examples</b> <ul style="list-style-type: none"><li>- Simulation of cross sections, bridges and culverts</li></ul>
<b>11:00am – 12:00 noon</b>	<b>2D Modeling Examples</b> <ul style="list-style-type: none"><li>- Urban drainage example Cabramattta, Australia</li><li>- Urban/Rural drainage example Billings, Montana, USA</li></ul>
<b>12:00 noon – 12:30 noon</b>	<b>Question and Answer</b>

# “INTRODUCTION TO STORMWATER MANAGEMENT & FLOOD MODELING WITH xpswmm”

**Date:** 2 April 2008 (Wednesday)  
**Time:** 8:30am to 12:30 noon  
**Venue:** Auditorium, Ultimate Professional Centre

## REGISTRATION FORM

Secretariat  
 The Institution of Engineers Malaysia (Sarawak Branch)  
 3<sup>rd</sup> Floor (Auditorium) 16 Jalan Bukit Mata Kuching  
 93100 Kuching  
 Tel: (082) 428 506 Facsimile: (082) 243 718 E-mail: [iemsb@po.jaring.my](mailto:iemsb@po.jaring.my)

***Closing Date for registration & payment: 28 March 2008, Friday***  
***(or to the first 90 paying pax otherwise whichever come first)***

**Admission is RM20 for Student, RM60 for IEM Member/Government  
and RM80 for Non-IEM Member**

**For the purpose of BEM-approved CPD hours, all Professional Engineers must provide their registration number.**

No.	Name(s) in CAPITALS	Email Address	IEM No.	P.Eng No.	Fee (RM)
<b>Total</b>					

Enclosed herewith a crossed cheque no:.....for the sum of RM.....issued in favor of “**IEM (Sarawak Branch)**”. 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 (O): \_\_\_\_\_ Fax: \_\_\_\_\_ E-mail: \_\_\_\_\_

Contact Person: \_\_\_\_\_ Designation: \_\_\_\_\_

Date: \_\_\_\_\_ Signature: \_\_\_\_\_