

**ONE DAY SEMINAR ON
RIVER MODELING, FLOOD MANAGEMENT & MITIGATION
~ CASE STUDIES USING XPSWMM**

Organiser: **Department of Irrigation & Drainage Malaysia & Lestari Software Solutions**

Date: 2nd June 2015 (Tuesday)

Venue: **Dewan Bunga Raya, JPS Ampang**

This Seminar will focus on basic understanding on river basin management, flood modeling and mitigation options. We will discuss the application of 1D model, 2D model & integrated 1D/2D river modeling and show some case studies. A brief introduction on applications and capabilities of xpswmm software in river flood modeling and mitigation options like levee and detention ponds and flood inundation & hazard map will be presented.

08.00 - 08.30 Registration & Networking		
08.30 - 09.00 Opening by DID's Director		
09:00 – 13.00		
Introduction	Hydrological Modeling	Hydraulics Modeling
<ul style="list-style-type: none"> River flood management xpswmm & xp2D Malaysian Guidelines and how XPSWMM can address the requirements 	<ul style="list-style-type: none"> Creating design storms for flow prediction (MASM 2nd edition design rainfall temporal patterns & build in calculator) Runoff routing methods Loss processes and models Multi storm generation and critical storm identification Flood forecasting using continuous flow simulation 	<ul style="list-style-type: none"> Hydraulics system building using digital terrain models (DTM) CAD and aerial images GIS integration to create flood modeling entities River model, 1D Flood Maps Culvert and road-overtop flows Management of flood flows using hydraulic structures including, ponds, outfalls, RTC, inlets etc.
13.00 – 14.00 Lunch		
14:00- 17:15		
River Flood Management Using 1D/2D Hydraulic Models	xpswmm 2D Case Studies	
<ul style="list-style-type: none"> 1D river floods and 2D overland floods Difference between XPSWMM and HEC-RAS 1D/2D integration techniques 2D Fundamentals (Domains, topography, landuse) 1D/2D Modeling with Rainfall on Grid 2D Structures e.g. Modelling Bridges Flood inundation mapping and Interpreting 2D results (e.g. bed shear stress) 	<ul style="list-style-type: none"> Tips & Techniques 	

Start at 8.30am to 5.15pm * 15 min Break & Discussion for AM & PM

**ONE DAY SEMINAR ON : RIVER MODELING, FLOOD MANAGEMENT & MITIGATION
~ CASE STUDIES USING XPSWMM**



About the speaker

Mr. Gavin Fields, Senior Water Resources Engineer, XP Solutions Australia

Gavin is a Senior Water Resources Engineer at XP Solutions. Gavin brings practical expertise in the design of stormwater quantity and quality infrastructure to the XP Solutions team. His responsibilities include providing technical support to our expansive client base to ensure product users are able to deliver best practice outcomes on their projects. Prior to joining XP Solutions team in Brisbane, Gavin worked as a consultant for 9 years delivering a broad range of projects across Queensland with a core focus on cost effective water sensitive urban design and drainage solutions.

For more details please contact Ms. SY Loke (LSS) @ 03 – 9010 4368 or 012 306 3510

Email: syloke@lestarisoftware.com

Mr. Muhammad Al-Muzammil (JPS) @ 03-42895487

Date: 2nd June 2015 (Tuesday)

REGISTRATION FORM

Fax: 03 – 9010 4328

No.	Name(s) in CAPITALS*	Email	Hp	Fee **
1.				1 pax = RM265
2.				2pax = RM530
3.				3 pax = RM763.20
4.				4 pax = RM985.80
5.				5 pax = RM1197.80

* Please provide full name to be printed on certificate. ** Fee inclusive of GST (GST No.: 000 3470 82752)

Courier the form with payment to

Lestari Software Solutions

No. 5-2, Jalan Temenggung 5/9, Bandar Mahkota Cheras, 43200 Cheras, Selangor

Tel: 03 – 9010 4368 Fax: 03 – 9010 4328

Enclosed herewith is a crossed cheque no:.....for the sum of RM..... issued in favor of **Lestari Software Solutions**. 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 change the programme or speaker due to unforeseen circumstances. Every effort will be made to inform the registered participants of any changes. Two tea breaks & lunch will be provided.

Name of Department/Organization: _____

Address: _____

Tel : _____ Fax: _____ E-mail: _____

Contact Person: _____ Designation: _____

HP : _____

Closing Date for registration & payment: 27th May 2015, Wednesday