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ONE DAY SHORT COURSE ON URBAN DRAINAGE MODELLING FOR DESIGN

By
Dr. James Lau

Organised by:
 Water Resources Technical Division,
 The Institution of Engineers, Malaysia

REGISTRATION FORM

1 DAY SHORT COURSE ON URBAN DRAINAGE

28th April 2016

Auditorium Tan Sri Prof Chin Fung Kee , 3rd Flr Wisma IEM, P.J.

Closing Date : 22nd April 2016

Name(s)	Membership No. / Grade	Fees (RM)
SUBTOTAL		
ADD GST@6%		
TOTAL PAYABLE		

***Fees MUST be fully paid BEFORE the CLOSING DATE. Seats could only be confirmed upon payment.**

Enclosed herewith a crossed cheque No: _____ for the sum of RM _____ issued in favour of "**The Institution of Engineers, Malaysia**" and crossed 'A/C payee only'. I/We understand that the fee is not refundable if I/We withdraw after my/our application is accepted by the Organising Committee as stated in the **cancellation term**. If I/We fail to attend the seminar, the paid registration fee will not be refunded.

Contact Person: _____ Designation: _____

Name of Organization: _____

Address: _____

Telephone No.: _____ (O) _____ (HP)

Email: _____

Signature & Stamp

Date

PHOTOCOPIES ARE ACCEPTABLE

Date : 28th April 2016
Time : 9.00 am – 5.00 pm
Venue : Tan Sri Prof. Chin Fung Kee Auditorium,
 3rd Floor, Wisma IEM, Petaling Jaya

BEM Approved CPD/PDP Hours: 6
IEM15/HQ/405/C

REGISTRATION FEES GST NOT INCLUDED

Grade	Normal Fee	Online Fee
IEM Student Member	RM 200.00	RM 150.00
IEM Graduate Member	RM 300.00	RM 250.00
IEM Corporate Member	RM 450.00	RM 400.00
Non IEM Member	RM1200.00	RM1100.00

Closing Date: 22nd April 2016

IMPORTANT NOTES

Terms & Conditions:

- For ONLINE REGISTRATIONS, only ONLINE PAYMENT is applicable [via RHB and Maybank2u –Personal Saving & Personal Current ; Credit Card - Visa/Master].
- Payment via CASH / CHEQUE / BANK-IN TRANSMISSION / BANK DRAFT / MONEY ORDER / POSTAL ORDER / LO / WALK -IN will be considered as NORMAL REGISTRATION.
- FULL PAYMENT must be settled before commencement of the course, otherwise participants will not be allowed to enter the hall. If a place is reserved and the intended participants fail to attend the course, the fee is to be settled in full.
- Fee paid is not refundable. Registration fee includes lecture notes, refreshment.
- The Organizing Committee reserves the right to cancel, alter, or change the program due to unforeseen circumstances. Every effort will be made to inform the registered participants of any changes. In view of the limited places available, intending participants are advised to send their registrations as early as possible so as to avoid disappointment.

SYNOPSIS

Hydrology is the science concerned with assessment of the natural distribution of water in time and space and with evaluating the impact of man-made changes on the distribution and quality of this water. The aim of the course is to study the hydrology and drainage requirements of urban areas. The course will cover the effects of urbanisation on the hydrological cycle, basic methods for hydrological analysis including rainfall-runoff models and flood frequency analysis. The course will also cover the concepts of dry-weather-flow, water quality modelling, steady-unsteady flow in pipes, basics of rainfall analysis, pipe hydraulics. Examples from real-life projects will be used to illustrate how the principles of urban hydrology are used to design solutions to resolve flooding and water quality problems.

Computational modelling of flow is one of the key design tools used to represent flow in urban drainage networks. The latest advances in computational modelling in urban drainage including topics like climate change sensitivity, overland 2D flow routing, integrated control and flood forecasting will also be covered. **This year, a practical session will be included on how to build a model and use a computational model.**

Who should attend:

- Those who are new in urban hydrology
- Engineers, foundation professionals who desire to have a basic understanding of urban drainage
- Those keen to understand the use and application of computational models like ISIS, InfoWorks CS/ICM/, Mike Urban/Mike 11 and PCSWMM.
- Bring along a laptop for a practical session for building and using a model

PERSONAL DATA PROTECTION ACT

I have read and understood the IEM's Personal Data Protection Notice published on IEM's website at <http://www.myiem.org.my> and I agree to IEM's use and processing of my personal data as set out in the said notice.

BIODATA OF SPEAKER

Dr James Lau, is an Associate Director at Dr Nik and Associates Sdn Bhd. He has delivered design, modelling, and applied research projects for clients in the Malaysia, Singapore and the United Kingdom.

James is an Honorary Lecturer at Imperial College London where he has lectured on urban drainage modelling on the Environmental Engineering MSc since 2007. He is also an Honorary Research Fellow at Exeter University. He is on the Editorial Board of the International Urban Water Journal. He is currently on the executive committee of the Malaysian Hydrological Society and actively involved in the Water Resources Technical Division of the IEM. His research interests include spatial/radar rainfall, flood forecasting/nowcasting, climate change, the modelling of integrated Urban Wastewater Systems, optimisation, financial modelling and water quality.

	-	900am	Registration
900am	-	905am	Introduction
905am	-	1030am	Basics of Urban Hydrology
1030am	-	1045am	Tea Break
1045am	-	1145am	Rainfall runoff and flood frequency analysis
1145am	-	1230nn	DWF and water quality
1230nn	-	130pm	Lunch
130pm	-	200pm	Introduction to computational models
200pm	-	315pm	Hands on session 1: Building a basic model
315pm	-	330pm	Tea Break
330pm	-	430pm	Hands on session 2: Rainfall runoff in a model
430pm	-	530pm	Hands on session 3: Using a model to solve a problem
530pm	-	545pm	Question and Discussion

Cancellation Policy

IEM reserves the right to postpone, reschedule, allocate or cancel the course. Full refund if cancellation is received in writing more than 7 days before start date of the event. No cancellation will be accepted prior to the date of the event. However, replacement or substitute may be made at any time with prior notification and substitute will be charged according to membership status.