Chairman,
Water Resources Technical Division,
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REGISTRATION FORM

HALF-DAY SHORT COURSE ON DESIGN OF PUMPING DRAINAGE SYSTEM FOR URBAN STORMWATER RUNOFF

Date : 18th May 2017

Venue : Auditoriun Chin Fung Kee, 3rd Floor, Wisma IEM

Closing Date : 15th May 2017

No	Name(s)	M'ship No.	Grade	Fee (RM)*
			SUB TOTAL	
			ADD GST @6%	
			Total Payable	

***Fees MUST be fully paid BEFORE the CLOSING DATE. Seats will 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. 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) _____ (Fax)

_____ (H) _____ (HP)

Email: _____

_____ _____
Signature & Stamp Date

Photocopies are acceptable

ONE-DAY SHORT COURSE ON DESIGN OF PUMPING DRAINAGE SYSTEM FOR URBAN STORMWATER RUNOFF

Organised by: Water Resources Technical Division, IEM

Date : 18th May 2017
Venue : Auditoriun Chin Fung Kee, 3rd Floor, Wisma IEM
Time : 9.00a.m. – 5.00pm

BEM Approved CPD/PDP Hours : 6
Ref No : IEMHQ/123/C

RESCHEDULED TO 15 JUNE 2017

REGISTRATION FEE (subject to GST 6%)				
Registration Fee		Normal Fee		On-line Fee
IEM Student Member	:	100.00		80.00
IEM Graduate Member	:	180.00		150.00
IEM Corporate Member	:	300.00		250.00
Non IEM Member	:	600.00		500.00

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

Urban drainage and stormwater system design in low-lying and tidal areas involves a number of special considerations. Because of the difficulties of designing gravity systems in low-lying areas it may be necessary to use drainage gates/ tidal gates, and/or pumped systems. In some locations, there may be advantages in combining a tidal gate or drainage gate outlet with a pumped discharge. This would allow water to drain by gravity when the tailwater level is low, saving on pumping costs, and to be pumped when the tailwater level is high. A combined outlet system will be most practical where there is a large range in tailwater levels, typically 2.0 metres or more. A detailed analysis of the storage and pump requirements will require data on the stage hydrograph of the tailwater, whether it be a river flood or tide cycle, and the calculation should be performed by computer methods.

This short course is intended primarily for drainage designers and others interested in the hydraulic design of stormwater pump stations to provide some basic design requirements and considerations as well as to introduce the design procedure in approaching the problems with hands-on case study in accordance to MSMA2.

Hands-on training using spread-sheet and public domain software will be conducted and all the participants are encouraged to bring along notebook computer for exercise.

Who should attend:

- Those who are new in pumping drainage for urban stormwater runoff.
- Engineers, foundation professionals who desire to have a basic understanding of stormwater pumping drainage for urban area.
- Those keen to understand the use and application of computational model SWMM.

PROGRAMME

800am	-	845am	Registration
845am	-	900am	Introduction
900am	-	1000am	Presentation of Stormwater Pumping Drainage
1000am	-	1030am	Hands-on Exercise (Spreadsheet) – Part 1
1030am	-	1045am	Tea Break
1045am	-	1115am	Hands-on Exercise (Spreadsheet) – Part 1 con't
1115am	-	-100pm	Hands-on Exercise (SWMM) – Part 2

RESCHEDULED TO 15 JUNE 2017

BIODATA OF SPEAKER

Ir. Dr. Wong Wai Sam is a Director at MegaConsult Sdn. Bhd. and currently also the Water Resources Technical Division Chairman. His expertise in Hydrology, Hydraulic & Hydrodynamic, Hydrogeologist and Water Quality He actively involves in stormwater drainage and flood mitigation master plan studies, sediment erosion and transport studies, flood forecasting, water quality, integrated river basin & water resources management studies, hydraulic design and computer modelling works. He was a Project Manager in many projects such as the Multimedia Super Corridor Flood Drainage Master Plan, the Klang River Basin Environmental Improvement and Flood Mitigation Project, Effective Implementation of IWRM in Malaysia, Specialist Consulting Engineers for the Government in the SMART project, Pekan Flood Mitigation Project, Developing The Atmospheric Model-Based Rainfall And Flood Forecasting (AMRFF) System for the Pahang, Kelantan and Johor River Basin, Stormwater Management And Drainage Master Plan Study For Bandar Sri Manjung, Seriawan And Lumut, Perak, Water Quality Improvement for SoL Projects as well as one of the authors for MSMA 2011. He also a Project Manager for a few projects such as Water Quality Improvement and Hydrological Assessment for the Klang River under the River of Life ETP, Detailed Design of Flood Mitigation Project for Sg. Kurau, Perak Darul Ridzuan and Development of Integrated Flood Forecasting and Warning System based on Real Time Radar Rainfall for Padas River Basin.

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.

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.