One Day Workshop on
"Introduction to EPA Stormwater Management Model (SWMM)"

> **BEM Approved**
> **CPD/PDP Points: 6.5**
> **Ref No.: IEM18/SB/473/W**

Date	: 24th November 2018 (Saturday)
Time	: 9.00 am – 5.30 pm
Venue	: IEM (Southern Branch) Training Centre
Speaker	: Mr. Chee Shai Choon

LEARNING KEY OUTCOME

EPA's Storm Water Management Model (SWMM) software is a popular open source software. It is used throughout the world for planning, analysis, and design related to stormwater runoff, combined and sanitary sewers, and other drainage systems in urban areas. There are many applications for drainage systems in non-urban areas as well.

SWMM is a dynamic hydrology-hydraulic water quality simulation model. It is used for single event or long-term (continuous) simulation of runoff quantity and quality from primarily urban areas. The runoff component operates on a collection of sub-catchment areas that receive precipitation and generate runoff and pollutant loads. The routing portion transports this runoff through a system of pipes, channels, storage/treatment devices, pumps, and regulators.

SWMM tracks the quantity and quality of runoff made within each sub-catchment. It tracks the flow rate, flow depth, and quality of water in each pipe and channel during a simulation period made up of multiple time steps. SWMM 5 has been extended to model the hydrologic performance of specific types of low impact development (LID) controls.

Another important about SWMM is that it is recommended by the Stormwater Management Manual for Malaysia (MSMA) 2nd edition Chapter 2.3.4. There are many benefits to using the SWMM software. It is useful for users who desire a low cost solution to stormwater management modelling. It can also be used for any flood project study such as backwater effect and water profiles by time factor.

Registration fee	On-line	Normal
IEM Corporate Member	250.00	300.00
IEM Graduate Member	150.00	200.00
IEM Student Member	80.00	100.00
Non IEM Member	300.00	350.00

TENTATIVE PROGRAM

Time	Programme
8.30am	Registration
9.00am	Introduction to Stormwater Management Model (SWMM)
10.30am	Tea Break
10.45am	Workshop
12.30pm	Lunch
1.30pm	Workshop
3.30pm	Tea Break
3.45pm	Workshop
5.00pm	Discussion/Q&A Session
5.30pm	End

BIODATA OF SPEAKER
Biodata of Speaker : Mr. Chee Shai Choon

Mr. Chee Shai Choon graduated with Bachelor Degree of Civil Engineering from University Pertanian Malaysia in 1994. He leads a group of software developers in C & S Software Solutions Sdn Bhd which incorporated in year 2006. He has developed a core MSMA suite which covers most of Chapters in MSMA guideline 2nd edition. He is also the developer of the Infrastructure software for Erosion and Sediment Control Plan (myESCP), Earthworks (Zeon Earth), Urban Stormwater Design(xStorm, Storm+), water reticulation (xWater), drainage network (xDrain), sewerage network (xSewer) and Singapore Pub design software. One of his latest developed software is myESCP which is an erosion and sediment control plan software. During the developing civil engineering products, he has gained in-depth knowledge of the design process involved and would be able to share his knowledge and experience with participants.

He is also a civil engineer with good technical knowledge in engineering concepts. He has accumulated 21 years of his experience in field of IT and engineering design. Along with his involvement in IT, he had conducted a number of talks/training in various organisation like IEM, JOS in JPS Ampang and Wawasan Professional Training Centre in KL.

Closing for registration: 20th November 2018

![IEM Logo] **The Institution of Engineers, Malaysia**

The Institution of Engineers, Malaysia

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REGISTRATION FORM
One Day Workshop On
"Introduction to EPA Stormwater Management Model (SWMM)"

24th November 2018 (Saturday)

Name(s)	IEM M/ship No. and Grade	H/P No. and Email	AMOUNT (RM)
TOTAL AMOUNT PAYABLE (RM) :			

PERSONAL DATA PROTECTION ACT

I have read and understood IEM's Personal Data Protection Notice published on IEM's website at www.myiem.org.my and I agree to IEM's use and processing of my personal data

FULL PAYMENT must be settled before commencement of the event, otherwise participants will not be allowed to enter the hall. If a place is reserved and the intended participant fails to attend the course, the fee is to be settled in full. If the participant fails to attend the course, the fee paid is non-refundable. Registration fee includes lecture notes, refreshment and lunch. 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 early to avoid disappointment.

(A) CONTACT DETAILS

Company : _____ Contact Person : _____

Address: _____

Telephone No.: _____ (Off) _____ (Fax) _____ (HP) _____

Email: _____ Signature: _____

(B) PAYMENT DETAILS

By Cash / Cheque no. _____ dated _____for the amount of RM_____ (non-refundable) and made payable to "THE INSTITUTION OF ENGINEERS, MALAYSIA (SOUTHERN BRANCH)" and crossed 'A/C Payee Only'. Alternatively, you could bank-in the participant fees into the Institution's Maybank Current Account (No. 5-013920-15708), and to facsimile both the Bank-in and Reply Slips to the Institution. Kindly return the Reply Slip to the IEM (SB) office before **20th November 2018** together with a non-refundable cheque for the participant fees made payable to *The Institution of Engineers, Malaysia (Southern Branch)*. **For ONLINE REGISTRATION**, payment **MUST BE MADE VIA ONLINE PAYMENT** (bank-in the participant fees into the Institution's Maybank Current Account (No. 5-013920-15708) before the **closing date**.