

**6.5 CPD / PDP**

(BEM Approved CPD / PDP Hours)

Ref. No.: **IEM18/SWAK/037/C**



*1 - Day Course on*  
**DIGITAL EDITION OF URBAN STORMWATER MANAGEMENT MANUAL FOR  
MALAYSIA (MSMA) 2<sup>ND</sup> EDITION WITH SUSTOM**

---

**Date** : 20<sup>th</sup> March 2018 (Tuesday)  
**Time** : 9.00am – 5.00pm  
**Venue** : Auditorium, Ultimate Professional Centre,  
**Kuching**  
**Speaker** : Mr. Chee Shai Choon

**SYNOPSIS**

In the view of recent flood occurred in Penang and Seremban in month of November 2017. It had raised a question of in what extend of stormwater management has been adopted in Malaysia? How effectiveness of stormwater management in our engineering projects? Is the MSMA is difficult to understand?

Now Sarawak has just started with MSMA implementation by a named of Sarawak Urban Stormwater Management (SUSToM) Guideline in year 2016. It is an extension of MSMA. The main concept behind it is the paradigm shift on rapid disposal to a new system which called control at source.

As we understand, MSMA had been gone through 17 years of implementation from year 2000, Until today, it had released the 2<sup>nd</sup> edition. The adoption of this guideline is getting popular. However, there are still a number of engineers especially in consulting engineering field, where need to educate for the fully adoption of this guideline. As for example, we are encountered that there still have engineers that cannot differentiated the On-site detention with detention pond. This talk is mainly to has a walkthrough all chapters in MSMA guideline together with digital mode. It will give an introduction on selected chapters in MSMA. The topics to be discussed is more than what normal engineers are anticipated.

The unique of the software compare to other software which incorporate with MSMA. It is covered ALL CHAPTERS in MSMA 2<sup>nd</sup> edition. The content has certain interesting feature in MSMA, such as our Live map. It is one of most interesting feature that user can locate the rainfall station through live map(internet connection is required). Another example of our xStorm with one click application which can analyze the detention basin just by a click of button. The xStorm had simplified the iteration mode in routing of detention basin. Certain modules will come along with 3D visualization that can helps user to visualize concepts. Our 3D modules which generated in software can be further save into CAD drawing(dwg format) which enable user to bring the output drawing into any CAD application that supported 3D; like AutoCAD, BricsCAD, ZWCAD, GStar etc

**THE INSTITUTION OF ENGINEERS, MALAYSIA  
(Sarawak Branch)**

Ultimate Professional Centre, 2<sup>nd</sup> Floor, No. 16, Jalan Bukit Mata Kuching, 93100 Kuching, Sarawak.  
Tel: 082-428506 Fax: 082-243718 Email: [iemsarawak@gmail.com](mailto:iemsarawak@gmail.com) Website: [www.iemsarawak.org](http://www.iemsarawak.org)

## **BENEFITS**

This talk is suitable for engineers or water resource designer who want to enhance their knowledge in the respective chapters. It will mainly come with illustration with design calculation and with related software by chapter. New comer into industrial are fully welcome.

- Learn MSMA interactively via software (instead of attending courses)
- Modules are built based on MSMA guidelines. Follow work examples in MSMA
- Can act as tools for design and for checking MSMA submissions
- Modules with 3D CAD output – helps the user to visualize concepts
- Output in EXCEL helps user understand MSMA design steps.
- Modules helps user understand the basis of MSMA guidelines.
- Modules also cover water-quality aspect of MSMA

Modules guides user on items to consider in detention basin or OSD design and other important aspects in MSMA guidelines

## **BIODATA OF THE SPEAKER**

Currently, Chee Shai Choon leads a group of software developers in C&S Software Solutions Sdn Bhd which incorporated in year 2006. His clients mainly in Malaysia, somehow, there are some clients in Singapore, Brunei and Vietnam. In order to meet his clients' requirement, he has fully concentrated on and only on this company. He has developed a core MSMA suite together with his group which covers all Chapters in MSMA 2<sup>nd</sup> edition of guideline. He also is the developer of the Infrastructure software for Erosion and Sediment Control Plan(myESCP), 3D Earthworks(Zeon Earth), Urban Stormwater Design(xStorm, ZeonStorm, Storm), Water reticulation(Aquator), drain (Drain+), sewer network(Sewer+), Sediment Basin and Singapore Pub design software. One of his latest developed software is myESCP which is an erosion and sediment control plan software. It comprises of erosion and sediment control facilities such as Check Dam Diversion Channel, Silt Fence. These facilities which compliance to MSMA 2<sup>nd</sup> edition of chapter 12. This year will be his 12 years anniversary on computer business. He is keeps on update his knowledge especially in stormwater field where enable him to invent more values in engineering products. During the developing of 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 24 years of his experience in field of IT and engineering design.

Currently his company has an international collaboration with three international engineering software companies from Europe i.e. Bricsys(BricsCAD)-Belguim alternative CAD, Computer Control System(Bridges)-Greece and Ingeciber,S.A(FEM) Spain.

Along with his involvement on IT, he had conducted a number of talks/training in various organizations like IEM, JOS in JPS Ampang, Wawasan Professional Training Centre in KL. Most recent talk was invited by Jabatan Pengairan dan Saliran on topic of “MSMA 2<sup>nd</sup> edition Way Forward”.

## **PROGRAMME**

08.30am – 09.00am	Registration
09.00am – 10.30am	Opening Speech & Introduction of MSMA in computer software. Concept and Theory in SUSToM as compare to MSMA 2 <sup>nd</sup> edition.
10.30am – 10.45am	Tea Break
10.45am – 12.30pm	Walkthrough MSMA chapters
12.30pm – 1.30pm	Lunch
01.30pm – 03.30pm	Walkthrough MSMA chapters with a case study on ESCP design concept and practical
03.30pm – 03.45pm	Tea Break
03.45pm – 04.30pm	Cont. Walkthrough MSMA chapters with a case study on ESCP design concept and practical
04.30pm – 05.00pm	Q&A and End of Session

*1 - Day Course on*  
**DIGITAL EDITION OF URBAN STORMWATER MANAGEMENT MANUAL FOR  
MALAYSIA (MSMA) 2<sup>ND</sup> EDITION WITH SUSTOM**  
**20<sup>th</sup> March 2018 (Tuesday)**

**REGISTRATION FORM**

**Fees**

No.	Category	Early Bird (2 <sup>nd</sup> March 2018)	Normal Rate
1	IEM Student Member & Senior Member >60 years	RM200.00	RM250.00
2	IEM Graduate Member	RM300.00	RM350.00
3	IEM Corporate Member	RM450.00	RM500.00
4	Non IEM Member	RM600.00	RM650.00

**Closing Date for Registration & Payment: 12<sup>th</sup> March 2018, Monday (not later than 5:00pm)**

To: Secretariat  
The Institution of Engineers Malaysia (Sarawak Branch)  
No. 16, Jalan Bukit Mata Kuching  
93100 Kuching  
Tel: (082) 428 506 Facsimile: (082) 243 718  
E-mail: iemsarawak@gmail.com Website: www.iemsarawak.org

**6.5 CPD / PDP**  
(BEM Approved CPD / PDP Hours)  
Ref. No.: **IEM18/SWAK/037/C**

**For the purpose of BEM-approved CPD/PDP hours, all IEM Members must provide their registration number.**

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

Enclosed herewith, a crossed cheque no.: \_\_\_\_\_ for the sum of RM\_\_\_\_\_ issued in favour of **"IEM (Sarawak Branch)"** or Direct Bank in to **The Institution of Engineers Malaysia (Sarawak Branch), Standard Chartered Bank, Account No. 420-1-5651-8528**. Kindly fax us your payment slip for direct bank-in and quote our reference when making payment. I/We understand that the fee is not refundable for no-show/cancellation after my/our registration (is) 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. Two (2) Tea-Break & One (1) Lunch will be served.

Name of Department/Organization: \_\_\_\_\_

Address: \_\_\_\_\_

Tel (O): \_\_\_\_\_ Fax: \_\_\_\_\_ E-mail: \_\_\_\_\_

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

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

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

**Announcement to note:**

- 1 Early Bird Fee - registration fee must be fully paid on or before **2<sup>nd</sup> March 2018 (Friday)**
- 2 Fee is not refundable for no-show/cancellation once registration is accepted but substitution of participant(s) will be allowed.
- 3 Closing date for **Registration & Payment: 12<sup>th</sup> March 2018 (Monday) not later than 5:00pm** or to the first paid Sixty (60) pax otherwise whichever come first). **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. If the participant failed to attend the course, the fee paid is non refundable. Registration fee includes lecture notes, refreshment.
- 4 No walk-in or last minute registration will be entertained.