16 & 17 NOV 2018

Dewan Seminar, Faculty of Engineering UPM

UPM UNIVERSITI PUTRA MALAYSIA — BERILMU BERBAKTI

C&S

A 2-DAY SHORT COURSE ON

APPLICATION OF URBAN STORMWATER MANAGEMENT MANUAL FOR MALAYSIA 2ND EDITION (MSMA)

CONCEPT, THEORIES & PRACTICES

8 CPD HOURS BY BEM

CONTENTS

- Comparison among projects in urban city like Kuala Lumpur (West Malaysia) with projects in Sarawak (East Malaysia).
- Correct approach on control at source for OSD and pond.
- Is the project just limited to OSD and pond?
- Tips and tricks on pond and OSD design.
- Common "pitfall" in pond design.
- New concept of multiple pond design in project.
- Illustration with real projects to urban stormwater management.
- Stormwater elements like tc computation, catchment definition, runoff selection, ARIs choice.
- Preparation of ESCP plan with BMP.
- Tips and tricks on preparing ESCP plan with latest DID requirements.
- Can channel to become a detention storage system?
- Benefit of SWMM on urban stormwater management which recommended by Urban Stormwater Management Manual for Malaysia by DID (MSMA).

WHO CAN ATTEND?

Government Agencies / Bodies / Local Authorities, C&S Consultant Engineers, Property Developers, Design Engineers, Site Supervisors, Contractors, Sub-contractors, Researchers, Lecturers, Undergraduate and Postgraduate Students

ABOUT URBAN STORMWATER

Since the independent of Malaysia, the evolution of urban stormwater management has gone through significant changes. Especially after our country major wide flood in 1971. During that period the system is done by concept of rapid disposal of runoff where up to certain level of implementation, it is no longer sufficient to adopt the growth of development in Malaysia. Our government realized that the rapid disposal of runoff had to go paradigm shift to a new concept which called control at source techniques. Therefore, in year 2000, our government introduction first guideline called Urban Stormwater Management Manual for Malaysia 1st Edition. Later another replacement of guideline in year 2010 which called second edition of guideline. Somehow, the this 2nd edition did not cover East Malaysia. Until recent year 2016, Sarawak had introduced the replacement of it by Sarawak Urban Stormwater Management (SUStoM) Guideline which cover more comprehensive on urban stormwater management. It shown that our government has intention to make our country into a better life style with fully implementation of the control at source concept. However, during implementation of this guideline, there were many feedbacks arise from many parties such as civil engineers, local authorities, contractors or property developers.

CONTACT US

W: http://research.upm.edu.my/HRC
E: housingrcupm@upm.edu.my
FB: www.facebook.com/HousingResearchCentreUPM/

TENTATIVE PROGRAMME ● ○

DAY 1 (16 NOVEMBER 2018 - FRIDAY)

0830 - 0900	Registration
0900 - 1015	**General Detail Overview on Urban Stormwater Management for Malaysia 2nd Edition (MSMA2)**
1015 - 1045	Break
1045 - 1230	**Quantity and Quality Design Fundamentals**
1230 - 1430	Lunch
1430 - 1515	**On-site Detention**
1500 - 1530	Break
1530 - 1700	**Detention Pond**
1700 - 1730	Q & A and End of Session

DAY 2 (17 NOVEMBER 2018 - SATURDAY)

0830 - 0900	Registration
0900 - 1015	**Erosion and Sediment Control Plan**
1015 - 1045	Break
1045 - 1230	**Urban Stormwater Elements like Culvert, Hydraulic Structure**
1230 - 1400	Lunch
1400 - 1515	**SWMM – Introduction Workshop**
1515 - 1530	Break
1530 - 1700	**SWMM – Introduction Workshop**
1700 - 1730	Q & A and End of Session

*Participants should bring his own PC for SWMM Introduction Workshop on the second day. Preinstallation of the software is required and it can be downloaded FREE at
https://www.epa.gov/water-research/storm-water-management-model-swmm

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 which covers all the Chapters in MSMA 2nd edition. He is only the person in country who completed whole MSMA2 into digital edition. He is the developer of the Infrastructure software which provided the most comprehensive civil engineering software. Such as Erosion and Sediment Control Plan (myESCP), OSD/Pond (IntelliDrain), 3D Earthworks (Zeon Earth), XSeries modules such as Detention Pond & OSD Design (xStorm), Water reticulation (xWater), drainage network (xDrain), sewerage network (xSewer). Other software such as 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 2nd 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. With his continuity development of products in stormwater, he has further acquired significant amount of experience in this field. Either from direct feedback from software client i.e. consultant engineers, or his own involvement in stormwater projects, or during his events in stormwater. As a result, the cumulative skill and knowledge which covered from the design process involved up to construction and completion of stormwater works. It would be one of the best sharing 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. His official website: www.civilstructural.com.my.

Currently his company has an international collaboration with three international engineering software companies from Europe i.e. Bricsys (Recommended alternative CAD) BricsCAD BIM, 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.

✚ REGISTRATION FEES
A) Regular   RM 800   **B) UPM Staff/Alumni   RM 500**
C) Studet   RM 300

REGISTRATION CAN BE DONE ONLINE VIA
http://bit.ly/UPMMSMACOURSE

* You will be provided by payment details after we receive your registration.

MORE INFORMATION ON REGISTRATION
http://research.upm.edu.my/HRC

Please register by 9 November 2018