



THE INSTITUTION OF ENGINEERS, MALAYSIA

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"EVENING TALK ON "EXPERIENCES IN THE APPLICATION OF MSMA2 IN KUALA LUMPUR SELANGOR".

(Organised by the Water Resources Technical Division, IEM)
BEM Approved CPD/PDP Hours: 2 Ref No: IEM14/HQ/293/T

Date : 29-8-2014
Time : 5.30 pm– 7.30 pm (*Refreshment will served in 2nd Floor*)
Venue : C&S Lecture, TUS Lecture Room, 2nd Floor, Wisma IEM, PJ
Speaker : Ir. Dr. Quek Keng Hong

SYNOPSIS

Do you know the Department of Irrigation and Drainage has completely revised the first edition of **MSMA** in 2000 and has officially released the second edition in 2011 (known as **MSMA2**)?

In case you don't know, **MSMA** (*Manual Saliran Mesra Alam Malaysia or Urban Stormwater Management Manual*) is the drainage design procedure first published by D.I.D. in 2000. It is required by law for all engineers in Malaysia to design drainage works to comply with the requirements of **MSMA**.

Published eleven years after the first edition, the new **MSMA2** publication is not just a simple update, but a complete overhaul of the original document with changes in many topics. Because of this, many engineers are still not familiar with **MSMA2**.

We have carried out research comparing the changes between the first and second editions of **MSMA** and have quantified these changes in terms of the increase in the values of key design parameters including: storm intensities, design peak discharges using Rational Method and Time-Area Method, and the storage volumes of OSD, detention basins and sediment basins.

We found the changes varies between different parts of Malaysia. This talk is designed specifically for engineers who do drainage design works in and around Kuala Lumpur and the surrounding areas in Selangor. It will reveal interesting findings from our research work concerning changes in **MSMA2** that affect the design in these areas.

BIODATA OF SPEAKER

Ir. Dr. Quek Keng Hong has a PhD and a Master's degree in water resources from the University of NSW, Australia. He is a consulting engineer by practice and specialises in the field of urban drainage design and hydrology. He has conducted many training workshops and seminars in **MSMA** since 2000, and is the developer of **MSMAware**-a software designed specifically for **MSMA**. Dr. Quek has nearly 30 years of post-graduate industry experience and has published more than 20 papers in his field of specialisation.

Dato' Ir. Hj. Hanapi b. Mohamad Noor
Chairman
Water Resources Technical Division, IEM

ANNOUNCEMENTS TO NOTE:

- Preferential admission to talk shall be accorded to IEM members (**pre-registration and online registration are NOT required**). (**telephone and/or fax reservation will NOT be entertained**)
- **Non members** may also attend the talk but will be charged a registration fee of **RM50** and an administrative fee of **RM10**.
- For affiliate members, there will be no registration fee. However, they are requested to produce their membership card as proof of membership. For the list of affiliates, please refer www.myiem.org.my/content/memorandum_of_understanding-469.aspx.
- Limited seats are available on a "first come first served" basis (maximum 110 participants).
- IEM members are required to produce your membership cards for confirmation of attendance (CPD purpose).
- Latecomers will not be allowed to enter if the lecture hall is full nor be entitled to CPD. *IEM members who fail to produce their membership cards will be charged a fee of RM20.00.*

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- Kindly be informed that IEM will be charging participants **RM10** as administrative fee for talks organized by IEM.
- The fee would be used to cover overhead costs, building maintenance expenses as well as to support the purchase of the new building.
- All contributions will be deeply appreciated by IEM
- Students are however exempted.
Your understanding is greatly appreciated.

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