



The Institution of Engineers, Malaysia

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Evening Talk on “National Scale Flood Modelling”

Organised by Water Resources Technical Division, IEM
BEM Approved CPD/PDP Hours: 2 Ref No : IEM15/HQ/286/T

Date : **5th August 2015 (Wednesday)**
Time : **5:30 pm – 7:30 pm** (*Refreshments will be served at 5.00*)
Venue : **Tan Sri Prof. Chin Fung Kee Auditorium, 3rd Floor, Wisma IEM, PJ**
Speaker: **Matthew Kennedy and Cheok Hou Seng, CH2M Hill**

SYNOPSIS

National Scale Flood Modelling

Both the public and private sector require an accurate understanding of flood risk at national and even supranational scales. This can help feed into strategic decision making for future investment, disaster response and insurance. Modelling techniques used for detailed local assessments can become cumbersome and unwieldy at such a large scale. By contrast simplified techniques more suited to larger scale modelling can miss important details. This presentation discusses, using international project examples from the UK and Taiwan, the various factors that need to be considered, methodologies and technologies that has been successfully applied to model floods in a systematic, integrated national scale level.

BIODATA OF SPEAKER

This presentation will be jointly presented by two speakers.

Cheok Hou Seng graduated from Universiti Teknologi Malaysia in 2003 with BSc (Hons) in Civil Engineering and obtained a distinction for his M.Eng in Civil (Hydraulics and Hydrology) from the same university in 2005. He is a senior hydrology & hydraulic modeller who has lead and completed various flood modelling projects in Malaysia for the past 10 years and is currently the river engineering team leader at CH2M Hill. His past local project experiences include hydraulic modelling of the Klang River System for River Of Life Project, adequacy review of KL Flood Mitigation Scheme and the SMART Tunnel in Mitigating Floods in KL, the pilot application of gridded radar rainfall and gridded hydrological model for flood forecasting at the Pahang, Johor and Kelantan River Basin, and various other flood modelling, flood mitigation, flood forecasting and drainage masterplan studies. His recent international flood modelling experiences include flood defence breach modelling for the Thames River, London, sea defence appraisal and risk assessment for the ministry of defence, UK and other flood modelling projects for the environment agency, UK. He is also the team leader for the national scale flood modelling of Taiwan for the Malaysian team.

Matthew Kennedy graduated from the University of Nottingham In 2006 with a BSc (hons) Geography and obtained a distinction for his MSc in River Environmental Management from the University of Birmingham in 2007. He is a specialist in flood risk management working for CH2M Hill (previously Halcrow), with more than 7 years' experience in over 50 flood-related studies covering Asia, Canada, the UK and Australia. He is an expert in flood mapping from multiple sources (fluvial, pluvial, coastal) at varying scales (local, regional, national). For the past 3 years Matthew has been developing a flood risk team in Kuala Lumpur dealing with coastal, fluvial and pluvial flooding. His recent work covers numerous flood studies in the UK, flood defence in the India, flood risk assessments in Thailand and appraisal of flood management schemes in Malaysia.

Dato' Ir. Haji Hanapi Mohannad 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 need to pay a registration fee of **RM50** and an administration fee of **RM15**. GST is inclusive.
- For members of affiliated organisations, there will be no registration fee payable. However, they are requested to produce their membership card as proof of membership. For the list of affiliated organisations, please refer to IEM website at www.myiem.org.my under International/MoU.
- Limited seats are available on a "first come first served" basis (maximum 100 participants).
- IEM members are required to produce 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 RM25.00. GST is inclusive.*

ADMINISTRATIVE FEE

- Kindly be informed that an administrative fee of **RM15** is payable for talks organized by IEM. GST is inclusive.
- The fee would be used to cover overhead costs, building maintenance expenses as well as contribute to Wisma IEM Building Fund.
- All contributions will be deeply appreciated by IEM.
- Student Members are however exempted.

CPD HOURS CONFIRMATION

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