



THE INSTITUTION OF ENGINEERS, MALAYSIA

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EVENING TALK ON EAST COAST FLOOD IN DECEMBER 2014: "CAUSES, SEVERITY ASSESSMENT AND MITIGATION MEASURES"

(Organised by the Water Resources Technical Division, IEM)
BEM Approved CPD/PDP Hours: 2 IEM15/HQ/089/T

Date : 7th April 2015 (Tuesday)
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. Chong Sun Fatt

SYNOPSIS

In December 2014, Kelantan and Pahang experienced one of the worst floods in history. Unprecedented high flooding depth and flow velocity were observed in extensive areas during the prolonged flood event. Enormous damages in properties and significant live loss were sustained especially in the Sg Kelantan and Sg Pahang basins. The flood had triggered much discussions and controversy as to the causes of flooding and its severity in terms of return period of the event.

The talk will present the investigation results on the main causes of flooding for the main river basins in the East Coast. Natural factors such as rainfall, river and catchment characteristics as well as man-made factors such as logging and land development activities will be discussed.

The talk will cover the assessment of the severity of the flood event from perspective of rainfall, flood level, discharge and the controversial "Return Period". The talk will also touch on the issue of optimum flood mitigation measures and attempt to answer: "Can the flood be mitigated and prevented?"

BIODATA OF SPEAKER

Ir. Chong Sun Fatt graduated from the University of Malaya with an honors degree in civil engineering in 1978. He has also obtained a Post-graduate Diploma in Hydrology from Delft Hydraulic Institute in 1983 and M. Sc in Irrigation Engineering from KU Leuven, Belgium in 1991.

Ir Chong served in the Department of Irrigation & Drainage (DID) from 1978 to 2004, holding various positions. He was involved in many projects on Hydrology, Water Resources, Irrigation, Drainage, Flood Mitigation, Dam Studies, Flood Forecasting and Warning services, Disaster Investigations and Management while in DID. Ir Chong was active in hydrological activities at the national, regional and international level.

Ir. Chong is a founding partner and the Managing Director of G & P Water Sdn Bhd since June 2006 to July 2013. Since August 2013, he has assumed the role as the Principal Adviser to the company. The company has been involved in various projects for the Government and private companies pertaining to studies on hydrology and hydraulics, water resources assessment, flood investigation and mitigation, drainage planning and design, dam and reservoir analysis, water quality, river and coastal hydraulics, erosion and sediment control.

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 **RM15**.
- 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 RM25.00.*

FUNDS FOR IEM BUILDING FUND (WISMA IEM)

- Kindly be informed that IEM will be charging participants **RM15** 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.

CPD HOURS CONFIRMATION

Name :

Membership No:

Signature:

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