

## TALK ON “SELECTION OF ENGINEERING DESIGN OPTION IN FLOODS MITIGATION PROJECTS”

Organised by Water Resources Technical Division, IEM

BEM Approved CPD/PDP Hours: Applying

**Date** : 28<sup>th</sup> April 2018  
**Time** : 9.00am to 11.00am (*Refreshments will be served*)  
**Venue** : TUS & C&S Lecture Hall, 2<sup>nd</sup> Floor, Wisma IEM  
**Speaker** : Ir. Woo Soo Wei

### SYNOPSIS

Floods have been on the increase in recent years causing losses of life and property. It occurs not only at the low lying estuary areas but also the highland in mountainous area such as Cameron Highlands, Pahang. Engineering design in flood mitigation projects, either via structural or non-structural options would involve many stakeholders as our lands are continuously developed for human activities. An optimum design option shall be holistically evaluated and chosen to emphasis on technical viability, implementation timeline, project cost, social impact, environmental impact, opportunity for value-adding and etc. Case study and presentation on options development, assessment, evaluation and selection process will be focused on author's recent experience in Bertam Valley Cameron Highlands, Pahang and Timah Tasoh Flood Bypass Channel, Perlis.

### BIODATA

**Ir. Woo Soo Wei** is a Professional Engineer (PEPC) and Certified Professional in Erosion and Sediment Control (CPESC). He has vast experience in flood mitigation projects including river and coastal engineering studies. He has been working at design office and project sites, from supporting roles to lead management role. He has over 18 years' experience in carry out feasibility study, engineering design, technical assessment/review, tenders, construction supervision and project management. He was the lead design engineer for Sg Bertam Flood Mitigation Project in Cameron Highlands; Timah Tasoh Western Flood Bypass Project in Perlis; and coastal rehabilitation projects in Pontian Kecil, Tioman Island, Kuala Pahang, Kuala Sg Kuantan, etc. Currently Ir Woo is the Director of Tanahasia Consulting Engineers Sdn Bhd.

**Ir. Dr. Wong Wai Sam**  
Chairman  
Water Resources Technical Division, IEM

### ANNOUNCEMENT TO NOTE

#### FEES FOR TALKS

##### Members

**Registration Fee**  
Free of Charge - FOC

##### **Administrative Fee**

**Online** - RM15.00

**Walk In** - RM20.00

##### Non-Members

**Registration Fee:**  
RM50.00

**Administrative Fee:**  
RM20.00

Limited seats are available on a "first come first served" basis (maximum 100 participants).

**To secure your seat, kindly register online at [www.myiem.org.my](http://www.myiem.org.my)**

#### PERSONAL DATA PROTECTION ACT

I have read and understood IEM's Personal Data Protection Notice published on IEM's website at [www.myiem.org.my](http://www.myiem.org.my) and I agree to IEM's use and processing of my personal data