

TALK ON “APPLICATION OF COASTAL NUMERICAL MODELLING FOR HYDRAULIC IMPACT ASSESSMENT”

Jointly Organised with Water Resources Technical Division, IEM, Environmental Engineering Technical Division, IEM and Engineers Australia Malaysia Chapter

BEM Approved CPD/PDP Hours: 2 Ref No.: IEM18/HQ/383/T

Date : 4th September 2018 (Tuesday)
Time : 5.30pm to 7.30pm (*Refreshments will be served*)
Venue : C&S Lecture Room, 2nd Floor, Wisma IEM, Petaling Jaya
Speaker : Ir. Tan Sin Nyap

SYNOPSIS

Coastal zone in Malaysia is experiencing rapid development, with foreshore or offshore reclamation projects seen in Johor, Penang and Melaka in recent years. Coastal development may have an impact on the coastal processes, which may in turn affect the natural and built environments in the coastal zone.

This technical talk discusses the application of coastal numerical modelling in assessing the potential impact of coastal zone development on coastal processes, and to identify mitigation measures, if required. Starting with an introduction to the coastal environment and coastal management responsibilities in Malaysia, the technical talk will introduce coastal numerical models and their applications especially in hydraulic impact assessment. The legal framework for the impact assessment and government agency guidelines for coastal numerical modelling simulations will also be covered, along with a case study.

BIODATA OF SPEAKER



Ir. Tan Sin Nyap is the manager of the coastal department at Dr. Nik & Associates Sdn. Bhd.

Ir. Tan holds a BEng (Hons) in Civil and Coastal Engineering from the University of Plymouth, UK. Started his engineering career in the UK, where he practised for 8 years, he has practised in Australia, Malaysia and for a short period of time, the United Arab Emirates. His 16 years of experience in coastal and maritime engineering is predominantly on shoreline protection, ports and harbours, dredging and reclamation projects. In Malaysia, his notable projects include the port planning as well

as the design of the dredging works and breakwaters of a total length of 3.2 km for the RM 1.8 billion Samalaju Industrial Port development in Bintulu, Sarawak.

Sin Nyap is a Chartered Civil Engineer with the Institution of Civil Engineers, UK, a Chartered Marine Engineer with the Institute of Marine Engineering, Science & Technology, UK and a Chartered Professional Engineer with Engineers Australia. He currently serves as the Deputy President of Engineers Australia Malaysia Chapter and Hon. Secretary of the Institution of Civil Engineers Malaysia Pro Tem Committee.

Ir. Tan has been an industry mentor for Monash University Malaysia Engineering and IT Leadership Programme for the past two years. Since 2016, he has been providing coastal hydraulic modelling training to officers of the Department of Environment, Malaysia.

Dato Ir. Hj. Mohd. Azmi bin Ismail
Chairman, Water Resources Technical Division, IEM

ANNOUNCEMENT TO NOTE

FEES

(GST shall be at 0% with effect from 1 June 2018)

Members

Administrative Fee :

<u>Online</u>	RM15
<u>Walk In</u>	RM20

Non-Members

Registration Fee: RM50
Administrative Fee: RM20

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

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