

Date: 30<sup>th</sup> October 2021 (Saturday)

Time: 9am to 1pm

Venue: Zoom Platform – Virtual

**REGISTRATION FEES (SUBJECT TO SST 6%)**

Registration Fee		Normal Fee	On-line Fee
IEM Student Member	:	50.00	40.00
IEM Graduate Member	:	90.00	
IEM Corporate Member	:	150.00	
Non-IEM Member	:		

**Terms & Conditions:**

- For ONLINE REGISTRATIONS, only ONLINE payment is accepted [Credit Card (Visa/Master) and Maybank2u –Personal Saving & Visa/Master].
- Payment via CASH / CHEQUE / BANK-IN TRANSFER / MONEY ORDER / POSTAL ORDER / LO / WIRE TRANSFER IS NOT ACCEPTED FOR NORMAL REGISTRATION.
- FULL PAYMENT must be settled before commencing the course, otherwise participants will not be allowed to enroll. If a place is reserved and the intended participants fail to attend the course, the fee is to be settled in full.
- Fee paid is not refundable. Registration fee includes lecture notes, refreshment.
- The Organizing Committee reserves the right to cancel, alter, or change the program due to unforeseen circumstances. Every effort will be made to inform the registered participants of any changes. In view of the limited places available, intending participants are advised to send their registrations as early as possible so as to avoid disappointment.

# WATER RESOURCES TECHNICAL DIVISION, IEM

PRESENT

Half Day Webinar on "Management Approaches: Mathematical Solution."

"Don't Save our Rivers"

Hydrodynamic Modelling

Synopsis 1

**Postponed Until Further Notice**

Synopsis 2

Hydrodynamic modelling is a prerequisite in most of flood mitigation analysis and design conducted by Department of Irrigation and Drainage, Malaysia. The output from modelling mainly the discharge and water level along the channel are the basis for planning and design. River model can be divided into two components which are hydrologic and hydraulic model. The main input to the model are channel and structure properties for hydraulic component while catchment properties with rainfall for hydrologic component.

Even though present hydrodynamic software is a powerful tool to simulate complex flow behavior with huge data input, regularly the output can be confusing and led to wrong decisions. Modelers should be able to understand the existence of uncertainties due to various reasons that could affect the analysis. This presentation discusses the advantages and challenges faced by modelers during the development of hydrodynamic model for flood analysis. By properly addressing the issues, computation of runoff or discharge and water level at any location along the river or drainage system can be improved to provide better design.

# REGISTRATION FORM

Half Day Webinar on “River Management Approaches: Mathematical and Beyond Mathematical Solution.”

Date : 30<sup>th</sup> Oct 2021| Venue : Virtual (Zoom Meeting)

Closing Date: 27<sup>th</sup> October 2021

No	Name(s)	M'ship No.	Grade	Fee (RM)*
SUB TOTAL				
ADD GST @6%				
Total Payable				

\*Fees MUST be fully paid BEFORE the CLOSING DATE. Seats could only be confirmed upon payment.

Enclosed herewith a crossed cheque No: \_\_\_\_\_ for the sum of RM \_\_\_\_\_ issued in favour of “The Institution of Engineers, Malaysia” and crossed ‘A/C payee only’. I/We understand that the fee is not refundable if I/We withdraw after my/our application is accepted by the Organising Committee as stated in the cancellation term. If I/We fail to attend the seminar, the paid registration fee will not be refunded.

Contact Person: \_\_\_\_\_

Name of Organization: \_\_\_\_\_

Address: \_\_\_\_\_

(O) \_\_\_\_\_ (HP) \_\_\_\_\_

Email: \_\_\_\_\_

Signature & Stamp

Date

**Chairman,**  
**Water Resources Technical Division,**  
**The Institution of Engineers Malaysia,**  
**Lots 60 & 62, Jalan 52/4, P.O. Box 223**  
**(Jalan Sultan), 46720 Petaling Jaya**  
**Selangor Darul Ehsan**  
**Tel: 03-7968 4001/2 Fax to 03-7957 7678**  
**(Email: [roselein@iem.org.my](mailto:roselein@iem.org.my))**

## PERSONAL DATA PROTECTION ACT

I have read and understood the IEM’s Personal Data Protection Notice published on IEM’s website at <http://www.myiem.org.my> and I agree to IEM’s use and processing of my personal data as set out in the said notice.

## Speaker 1 Biodata

Ir. Ts. Noor Aishah bt Zaharin is a Senior Engineer at River Basin Management Division, Department of Irrigation and Drainage (DID) Malaysia, Ministry of Environment and Water. She holds a B. Eng. in Civil Engineering (Civil) from Universiti Teknologi Malaysia (UTM) and a Masters’ Degree in Civil Engineering, majoring in Construction Management from The University of New South Wales (UNSW), Australia. She is the elected member of Water Resources Technical Division, Institution of Engineers Malaysia (IEM) with over 15 years of experience in river management as well as flood management and forecasting programs. She is also the Honorary Secretary of Malaysian Water Partnership (MyWP). She is also registered as an Asean Chartered Professional Engineer (ACPE) with Board of Engineers Malaysia (BEM).

## PROGRAMME

0900am	-	910am	Introduction By Moderator
0910am	-	10.40am	Topic 1 : Can Integrated River Basin Management Save our Rivers”
10.40am	-	1100am	Q & A Session
1100am	-	1105am	5-minutes Break
1105am	-	12.40pm	Topic 2 : Advantages And Challenges In River & Drainage Hydrodynamic Modelling
1240pm	-	0100pm	Q & A Session
0100pm	-	0105pm	Closing & End of Webinar

## Speaker 2 Biodata

Ir. Ts. Abd Jalil Hassan has been involved in many hydrodynamic river modelling projects in Malaysia, continuously giving lectures on the topic as well as producing papers for seminars and providing consultations at the national and international levels. He is an author of two River Hydrodynamic Modelling books, entitled; River Hydrodynamic Modelling – A Practical Approach (2005) and River and Floodplain Hydrodynamic Modelling (2009). He earned his Bachelor’s Degree in Civil Engineering from University Malaya and completed Master of Science from University Science Malaysia (USM) in River and Urban Drainage Management. His career spans for more than 30 years, serving in civil service at the Department of Irrigation and Drainage and National Institute of Hydraulic Research Malaysia (NAHRIM) before extending his career as a Technical Manager at Wallingford Software Sdn. Bhd. He is now leading a group of engineers in hydrodynamic river modelling field at his own consultancy firm, River Care Associates Sdn. Bhd.

## CANCELLATION POLICY

IEM reserves the right to postpone, reschedule, allocate or cancel the course. Full refund if cancellation is received in writing more than 7 days before start date of the event. No cancellation will be accepted prior to the date of the event. However, replacement or substitute may be made at any time with prior notification and substitute will be charged according to membership status.