

ORGANISED BY URBAN ENGINEERING DEVELOPMENT SPECIAL INTEREST GROUP (UEDSIG)

7 MARCH 2024 (THURSDAY) 11.00 A.M. – 1.00 P.M.



## PRE-RECORDED WEBINAR TALK ON "URBAN FLASH FLOODING

## AND THE REVISED CURVE NUMBER MODEL"

\*in conjunction with World Engineering Day Celebration from 4th March till 9th March 2024

Research Outcomes of the research supported by the Ministry of Higher Education (MoHE) through the Fundamental Research Grant Scheme (FRGS/1/2021/WAB07/UTAR/02/1)



Speaker:
Ir. Dr.
Lloyd Ling

Ir. Dr. Lloyd Ling is an Associate Professor and a Deputy Dean of R&D and Postgraduate Programme of the Lee Kong Chian Faculty of Engineering and Science (LKC FES) at Universiti Tunku Abdul Rahman (UTAR). He is an Associate Fellow of the ASEAN Academy of Engineering and Technology (AAET) and appointed as a panel member of the Engineering Technology Accreditation Council (ETAC) Engineering Accreditation Council (EAC) while he serves the Earthquake Technical Committee of the Department of Standards Malaysia under the Ministry of International Trade and Industry (MITI). He has been an active principal researcher and research member of national and several industrial research grants in Malaysia.

## **Synopsis:**

The United States Department of Agriculture (USDA), Soil Conservation Services (SCS) rainfall-runoff model is accepted worldwide, rooted into many design manuals and also appears in every hydrology textbook whereby university lecturers and professors are teaching students year after year worldwide.

This research traced back its origin and rederived the model. SCS model practitioners can now avoid committing type II errors with the revised runoff predictive models to achieve higher accuracy in runoff predictions.

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