

## URB-13 Flood estimation methods - how good are they?

- Objective:** The participants will learn about the theoretical background and the accuracy of two flood estimation methods (flood frequency analysis and rational method)
- Contents:**
- Flood frequency analysis: Theoretical background and accuracy
  - Hydrologic data series. Plotting position and return period formulas. Probability distributions
  - Theoretical background and accuracy of rational method. Deterministic approach and probabilistic approach.
  - Upstream control; partial-area effect; drainage design
- Who should attend:** Managers, professionals and engineers who are interested to find out the background and accuracy of the flood estimation methods
- Courseware:** Background documents as handouts and/or electronic files
- Certification:** Attendance certificate (subject to 80 percent attendance)
- Duration:** 2 lessons (2 hours each)
- Schedule:** (Please enquire)
- Costs:** \$ 300 per participant (inclusive of GST)  
*A discount of 20 percent applies to 3 or more participants from the same organization in the same course*
- Instructor:** Tommy Wong, associate professor at NTU, with 10 years of experience in planning, design and site supervision of flood alleviation projects, and more than 20 years teaching and research experience in flood hydrology. Dr. Wong has published one book and more than 50 papers. He has received the John Illingworth Prize from Leeds University, and the J. C. Stevens Award from the American Society of Civil Engineers
- Enquiries and registration:** DHI Water & Environment, tel. 6777 6330, e-mail: [info@dhi-ntu.com.sg](mailto:info@dhi-ntu.com.sg)