



WEM

**Water Engineering
and Management**

Proudly presents

SEMINAR

*Flood monitoring, management and risk mitigation/adaptation for
Climate Change – Singapore Context and Knowledge transfer
potentials*



Dr. P. Suresh Babu
DHI Water & Environment

Dr. P. Suresh Babu joined DHI Water & Environment (S) Pte Ltd in November 2010 as a researcher in the DHI-NTU Water & Environment Research Centre and Education Hub supported by EWI. Within a short time period, he became the Head of Water Resources Section in DHI Singapore. Before joining DHI Singapore, Dr. P. Suresh Babu worked as an Engineer in Public Utilities Board (PUB), Singapore between Dec 2006 and October 2010. His primary research interests include Urban Planning and Water Management, Surface Water and Ground Water Hydrology, Urban Flood Modelling, Monitoring and Management, Flood Risk Assessments, Remote Sensing, Geographical Information System (GIS), and Water Quality Monitoring and Modelling. He has number of international journal publications from his research works. He has participated and presented research papers in international conferences and seminars in India and abroad. He has more than fourteen years of experience in hydrology and urban flood modelling, monitoring and management and worked in such projects.

TUESDAY

August

30

1:00 - 2.00 p.m.

FREE access

Room N202

WEM Building

Abstract

Flooding due to natural disasters in every country is always been a major cause of great damages in properties, lives and reflecting the level of drainage systems' efficiency with respect to the changing climate conditions.

Mitigating flooding risks requires significant cooperation to address, including improvement of stormwater drain and it's catchment characteristics, conveyance, continual upgrades to drainage and floodway channels to meet the changing demands. Each region in Asia is also characterised with climatic differences and variability in rain levels which makes it highly difficult to identify and address demands for upgrading urban drainage network from scratch and mitigate/adapt to the climate change.

The presentation will cover on how Singapore is managing the flood with their intensive flood monitoring program and planning on flood risk mitigation and adaptation for the climate change impact. Apart from this, the presentation will also covers on how Singapore is sharing its experience with other countries (knowledge sharing from developed nations to developing nations).

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