



**NANYANG
TECHNOLOGICAL
UNIVERSITY**



**International Expert Workshop
Towards Urban Water Security in Southeast Asia: Managing Risk of Extreme Events**

Imperial Garden Hotel, Phnom Penh, Cambodia

19-20 November, 2015

PROGRAM SCHEDULE [Draft as of November 3, 2015]

Day-1: 19 November 2015 (Thursday)	
OPENING SESSION [MC: Dr. Vishnu Prasad Pandey]	
8:15 - 8:45	Registration
8:45 - 8:55	Welcome and objectives of the workshop [Dr. Sangam Shrestha , Asian Institute of Technology (AIT), Thailand]
8:55 - 9:05	Introduction of SEA-EU-NET Project (Phase-II) [Dr. Anil K Anal , AIT, Thailand]
9:05 - 9:15	Opening Remarks [Dr. Adrian WK Law , Nanyang Technological University (NTU), Singapore]
9:15 - 9:25	Opening Remarks [Rector , Institute of Technology (ITC), Cambodia]
9:25 - 9:35	Group Photo
9:35 - 9:55	Refreshment/Networking
9:55 - 10:20	Keynote Day-1: IWRM perspective for urban water security [Prof. Ashim Das Gupta ; Emeritus Professor, Asian Institute of Technology, Thailand]
SESSION-I: Characterizing Urban Water Security & Complexities [Co-Chairs: Dr. Adrian WK Law; Dr. Sri Wahyuni]	
10:20 - 10:35	Ensuring water security for Kuala Lumpur and the heavily urbanized areas in the Klang Valley, Malaysia [Dato' Hanapi Md. Noor ; Water Resources Management and Hydrology Division, Department of Irrigation and Drainage, Malaysia]
10:35 - 10:50	Challenges and opportunities for securing water in Surabaya Metropolitan City, East Java, Indonesia [Indra Nurdianyoto ; Jasa Tirta I Public Corporation, Malang, Indonesia]
10:50 - 11:05	Connecting delta cities for urban water security [Dr. Michael van der Valk ; HydrologyNL, International Water Science–Policy Network, The Netherlands]
11:05 - 11:20	Impact of climate change on water resources of the Upper Chao Phraya River Basin [Dr. Chaiwat Ekkawatpanit ; King Mongkut's University of Technology Thonburi, Thailand]
11:20 - 11:35	Risk management to critical infrastructures for extreme events: integrated approach for urban water security in Asia [Dr. Indrajit Pal ; AIT, Thailand]
11:35 - 11:50	Discussion
11:50 - 13:05	Lunch/Networking
SESSION-II: NEWRI Session on Hydraulic Research [Co-Chairs: Dr. Michael van der Valk; Dr. Rajan Bhattarai]	
13:05 - 13:20	Storm water detention tank design considering climate change [Ms. Rui Min , NEWRI, Nanyang Technological University (NTU), Singapore]
13:20 - 13:35	Flood inundation modelling in Mekong River and Quangngai province with TELEMAC2D [Mr. Tung T. Vu ; NEWRI, NTU, Singapore]
13:35 - 13:50	CFD simulations of free-surface flow over rectangular side weir [Mr. Amin Bin Taha Aljunied ; NEWRI, NTU, Singapore]



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13:50 - 14:05	Operating rules for optimized hydropower energy production within a reservoir cascade system [Ms. Hui Zhang ; <i>NEWRI, NTU, Singapore</i>]
14:05 - 14:20	Evaluation of first flush in tropical catchments [Dr. Ha Song Le ; <i>NEWRI, NTU, Singapore</i>]
14:20 - 14:35	Discussion
14:35 - 14:55	Refreshment/Networking
MATCH-MAKING SESSION [Facilitator: Dr. Sangam Shrestha]	
14:55 - 17:55	Representatives of the organizations/institutes participating in the workshop present about their ongoing projects and activities, status of collaboration with various sectors, upcoming/planned projects/activities and areas of collaboration and types of collaborator they are looking for. Exact number of presentations and requirement of parallel sessions will be decided after receiving confirmation from the presenters.
18:30 - 21:00	Welcome dinner
Day 2: 20 November 2015 (Friday)	
8:30 - 8:45	Registration
8:45 - 9:10	Keynote Day-2: Evaluating the effect of climate change on urban hydrological extremes [Dr. Xiaosheng Qin , <i>Assoc. Prof., Nanyang Technological University (NTU), Singapore</i>]
SESSION-III: Risks to Urban Water Systems & Services [Co-Chairs: Prof. Ngai Weng Chan; Julian Doczi]	
9:10 - 9:25	Extreme events and water stress in Ho Chi Minh City, Vietnam [Dr. Dao Nguyen Khoi ; <i>Ho Chi Minh University of Science, Vietnam</i>]
9:25 - 9:40	Urban water security: water supply services in some cities and towns of Myanmar [Dr. Khin Kay Khaing ; <i>Department of Geography, Pathien University, Patheingyi City, Myanmar</i>]
9:40 - 9:55	Raw water quality implications on energy use under climate change: a scenario-based approach for Kobe Water Utility, Japan [Dr. Victor R. Shinde ; <i>AIT, Thailand</i>]
9:55 - 10:10	Assessing water quality management options in Bagmati river: towards enhancing water environment in Kathmandu Valley [Dr. Binaya K. Mishra ; <i>United Nations University – Institute for the Advanced Study of Sustainability (UNU-IAS), Tokyo, Japan</i>]
10:10 - 10:25	Urban water risk reducing through water leak reduction approach [Dr. Anthony M Watanabe ; <i>Affiliation</i>]
10:25 - 10:40	Discussion
10:40 - 11:00	Refreshment/Networking
SESSION-IV: Floods and Urban Vulnerability [Co-Chairs: Dr. Dian Sisingih; Dr. Chaiwat Ekkawatpanit]	
11:00 - 11:15	Pluvial flood damage in future climatic condition: A case of Japan [Dr. Rajan Bhattarai ; <i>Department of Irrigation, Government of Nepal</i>]



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11:15 - 11:30	Characterizing urban water security and complexities to minimize floods in Lambidaro sub-catchment area in Palembang City, South Sumatra, Indonesia [Darma Budhy ; <i>Public Works & Water Resources Dept., Palembang City, South Sumatra, Indonesia</i>]
11:30 - 11:45	Overview of Crisis Prevention and Disaster Risk Reduction from Flood in Urban Area in Vientiane Capital, Lao PDR [Ms. Oulavanh Sinsamphanh ; <i>Faculty of Environmental Sciences, National University of Laos, Lao PDR</i>]
11:45 - 12:00	The relationship between adaptation to climate change and disaster risk reduction in context of loss and damage [Nguyen Viet Dung , <i>The Department of Adaptation to Climate Change, Bureau of Meteorology, Hydrology and Climate Change, Vietnam</i>]
12:00 - 12:15	Assessing impacts of climate change on rainfall extremes for sustainable stormwater management in Yato Watershed, Tokyo [Mr. Abee Mansoor ; <i>UNU-IAS, Tokyo, Japan</i>]
12:15 - 12:30	Discussion
12:30 - 13:45	Lunch/Networking
SESSION-V: Role of Communities in Risk Management [Co-Chairs: Dr. Binaya K Mishra; Dr. Anthony M Watanabe]	
13:45 - 14:00	Role of citizen science in responding to flood disasters: A case study from Malaysia [Prof. Ngai Weng Chan ; <i>Universiti Sains Malaysia, Malaysia</i>]
14:00 - 14:15	Best practices in local community engagement strategy for urban flood risk management: a case study of urban riparian area in Malang City, Indonesia [Dr. Dian Sisinggih ; <i>Faculty of Engineering, Brawijaya University, Malang, Indonesia</i>]
14:15 - 14:30	Role of communities in flood risk management in Palembang City, South Sumatra, Indonesia [Prof. Robiyanto H Susanto ; <i>Sriwijaya University, Palembang, Sumatra, Indonesia</i>]
14:30 - 14:45	The role of community participation in peri-urban water management towards sustainability of water supply in Jember City, Indonesia [Dr. Sri Wahyuni ; <i>University of Jember, Indonesia</i>]
14:45 - 15:00	tbc [a presentation from Cambodia on Cambodian experience in urban water security]
15:00 - 15:15	Discussion
15:15 - 15:35	Refreshment/Networking
SESSION-VI: Responding to Urban Water Insecurity [Co-Chairs: Dr. Seingheng Hul; Dr. Indrajit Pal]	
15:35 - 15:50	Managing risks of extreme events to urban water security in a fast-growing, second-tier city – lessons from Cagayan de Oro City, Philippines [Julian Doczi ; <i>Overseas Development Institute (ODI), UK</i>]
15:50 - 16:05	The importance of strategic communications in the context of disaster risk management [Meinardo M. Teves ; <i>EON The Stakeholder Relations Firm, Markati City, Philippines</i>]
16:05 - 16:20	Review of policy, legal and institutional responses for disaster risk reduction and mitigation in selected Southeast Asia countries [Manish Shrestha ; <i>AIT, Thailand</i>]



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16:20 - 16:35	Rainwater harvesting as an alternative water supply strategy in Semarang City in facing the drought as climate change impact [Latifa Sitadevi ; <i>Mercy Corps Indonesia</i>]
16:35 - 16:50	Water Security in Urban Coastal Area under Urbanization and Climate Change: Lesson studies from Makassar City and Semarang City, Indonesia [Nurrohman Wijaya ; <i>AIT, Thailand</i>]
16:50 - 17:05	Discussion
CLOSING SESSION	
17:05 - 17:20	Summary and closing [Dr. P Abdul Salam , <i>AIT, Thailand</i>]