







## International Young Researchers' Workshop River Basin Environment and Management 8-9 February 2014, Asian Institute of Technology (AIT), Thailand

1st Day: 8 February 2014 **Program Schedule** Venue: AITCC B202

8:00	Arrival
8:00-8:30	Registration

OPENING SESSION		
8:30-8:40	Welcome remarks	Prof. Wosak Kanok-Nukulchai, President, AIT, Thailand (tbc)
8:40-8:50	Briefing workshop objectives	Dr. Hiroshi Ishidaira, University of Yamanashi, Japan
8:50-9:20	Keynote on "River Basin Environment and Management issues and challenges in Asian countries"	Prof. Futaba Kazama, University of Yamanashi, Japan
Tea/coffee Break (9:20-9:35)		
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TECHNICAL S	TECHNICAL SESSION: Water Resources and Climate		
Chairs: Prof. M	Chairs: Prof. Mukand S Babel (AIT) and Dr. Dian Sisinggih (University of Barwijaya, Indonesia)		
9:35-10:00	Plenary speaker	Dr. Sangam Shrestha, AIT, Thailand	
10:00-10:20	P1: Development and application of Flood Vulnerability Indies for commune level – A case study in Lam river basin, Nghe An province, Viet Nam	Nguyen Quang Hung; Hanoi University of Science, Viet Nam	
10:20-10:40	P2: Developing Agricultural Planning Model Considering Future Climate	I Putu Santikayasa; Asian Institute of Technology, Thailand	
10:40-11:00	P3: Assessment of water resources under the impact of climate change in the central highlands of Viet Nam	Dao Nguyen Khoi; University of Science – Viet Nam National University, Ho Chi Minh City	
11:00-11:20	P4: Research on water regime space division of the main rivers in Ho Chi Minh area by mathematical model	Tran Thi Kim, Institute of Meteorology Hydrology Oceanography and Environment, Viet Nam	
11:20-11:40	P5: Resource and Environmental Carrying Capacity Assessment of Inner Mongolia	Tian Yanan; Beijing Normal University, China	
11:40-12:00	P6: Assessment of Water Footprint of Major Biofuel Crops in Thailand	Russel Mohammad Fazlul Haque, Asian Institute of Technology, Thailand	









## Lunch Break (12:00-13:00)

TECHNICAL SESSION: Hydrological Modeling and Applications			
Chairs: Dr. Hird	Chairs: Dr. Hiroshi Ishidaira and Dr. Jun Magome (University of Yamanashi)		
13:00-13:25	Plenary speaker	Dr. Anthony Kiem, University of New Castle, Australia	
13:25-13:45	P1: Evaluating measures of catchment similarity index for use in the physical similarity-based regionalization approach	Sokchhay Heng, University of Yamanashi, Japan	
13:45-14:05	P2: Estimation of Discharge of Langtang River Basin, Rasuwa District, Central Nepal Positive Degree Day Model	Ahuti Shrestha, Kathmandu University, Nepal	
14:05-14:25	P3: Application of Sacramento Rainfall Runoff Model for Gin-River Basin, Sri Lanka	Dinusha Prabhath Ransara, University of Ruhuna, Sri Lanka	
14:25-14:45	P4: Rainfall-runoff model of Yesilirmak catchment, Turkey using ARCSWAT	Ayisya Cindy Harifa, University of Brawijaya, Indonesia	
14:45-15:05	P5: Estimation of Peak Discharge and Selection of Manning's coefficient for Sangda River and Langtang River of Nepal	Bikas Chandra Bhattarai, Kathmandu University, Nepal	
15:05-15:25	P6: Comparison of Uncertainty Analysis Techniques for a SWAT application in Bagmati River Basin Nepal	Vaskar Dahal, Tribhuwan University, Nepal	

CLOSING OF 1 <sup>ST</sup> DAY		
15:25-15:30	Closing remarks	
17:30-18:30	Dinner	



11:00-11:20

11:20-11:40



Removal in Wastewater

Hydraulic Structures





Naresuan University, Thailand

Nguyen Ngoc Minh, Ho Chi Minh City University of Technology

## 2<sup>nd</sup> Day: 9 February 2014

TECHNICAL SESSION: Water Contaminant, Treatment and Public Health		
Chairs: Prof. F University, Tha	utaba Kazama (University of Yamanashi) and Dr. Willan niland)	Khantichaidecha (Naresuan
8:35-9:00	Plenary speaker	Dr. Kei Nishida, University of Yamanashi, Japan
9:00-9:20	P1: Assessing heavy metal contamination in porewater upon simulated on land disposal of industrial waste	Tran Thi Thu Dung, Viet Nam National University, Ho Chi Minh City
9:20-9:40	P2: Analyses and assessment sources, exchange and transport of heavy metals and nutrients in water and sediment environments in downstream of Cau River basin: a case study in Hai Duong province	Le Si Hung, Hanoi University of Science, Viet Nam
Tea/coffee Break (9:40-10:00)		
10:00-10:20	P3: Risk of diarrhea from shallow groundwater contaminated with enteropathogens in the Kathmandu Valley, Nepal	Dr. Sadhana Shrestha, University of Yamanashi, Japan
10:20-10:40	P4: Simultaneous removal of ammonia and nitrate conducted by combination of ANAMMOX and hydrogenotrophic denitrification	Tatsuru Kamei, University of Yamanashi, Japan
10:40-11:00	P5: An intermittent aerated reactor for ammonium- rich wastewater under various aeration rates	M. Nojit, Naresuan University, Thailand
11:00-11:20	P6: Photocatalytic Reactor for Organic Compound	S. Phassakun,

TECHNICAL SESSION: Water induced disasters		
11:40-12:15	Prediction and simulation of floods and inundation and their management	Dr. Dian Sisinggih (University of Barwijaya, Indonesia)
Lunch Break (12:15-13:15)		

Study on the Changes of Surface Water Quality in the Southern Hue City in Case of Removing Some

OPEN DISCUS	SION
13:15-14:30	<ol> <li>Group discussion by young researchers about overall problems and issues of river basin environment and management in their countries</li> <li>Presentation of list of typical issues and problems identified by the presenters of</li> </ol>
	3 technical session [1presention (of 5min) from each of the technical session]
14:30-15:50	<ol> <li>Discuss about future networking and collaboration development among young researchers and research institutes professionals</li> </ol>
CLOSING OF 2 <sup>ND</sup> DAY	
15:50-16:00	Closing remarks by the organizers









## **Organizing Committee**

- Dr. Rabin Malla, Center of Research for Environment Energy and Water (CREEW), Nepal Dr. Sangam Shrestha, Asian Institute of Technology (AIT), Thailand
- Dr. Dian Sisinggih, University of Brawijaya, (UB) Indonesia Dr. Kei Nishida, University of Yamanashi (UY), Japan