

Third International Seminar of JSPS Core-to-Core Program



# Collaborative Project for Soil and Water Conservation in Southeast Asian Watersheds

## 7-8 August, 2013

Venue: Water Resources University, Hanoi

Host: JSPS Core-to-Core Program "Collaborative Project for Soil and Water Conservation in Southeast Asian Watersheds"

Co-host: Water Resources University, Vietnam  
Research Institute for East Asia Environments, Kyushu University  
Faculty of Agriculture, Kyushu University  
Institute of Tropical Agriculture, Kyushu University

**Keynote Speech** August 7 (Wed)

9:30-10:00

### **MATHEMATICAL TOOLS FOR WATER ENVIRONMENT CONSERVATION FROM A VIEW POINT OF INTEGRATED WATERSHED MANAGEMENT**

Professor Dr. Kazuaki Hiramatsu (Dean of Faculty of Agriculture, Kyushu University)

10:00-10:30

### **GEOTECHNICAL ENGINEERING IN VIETNAM: PROBLEMS, OPPORTUNITIES, AND CHALLENGES**

Assoc. Prof. Dr. Trinh Minh Thu (Vice Rector of Water Resources University)

Entrance fee  
**FREE**  
Language  
**English**



## Contact Information

### SOWAC Project Office

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Joint Seminar: August 7 (Wed) at Water Resources University, Hanoi			
Time			
9:00- 9:05	Opening Address	<b>Ms. Pham Hong Nga</b> (Head of International Cooperation Office, Water Resources University)	Chair: <b>Ms. Pham Hong Nga</b> (Head of International Cooperation Office, Water Resources University)
9:05- 9:10	Welcome Address	<b>Professor Dr. Nguyen Quang Kim</b> (Rector of Water Resources University; Project Coordinator in Water Resources University side)	
9:10- 9:30	Ceremonial Photograph	All participants	
9:30- 10:00	Keynote Speech I	<b>Professor Dr. Kazuaki Hiramatsu</b> (Dean of Faculty of Agriculture, Kyushu University) <b>MATHEMATICAL TOOLS FOR WATER ENVIRONMENT CONSERVATION FROM A VIEW POINT OF INTEGRATED WATERSHED MANAGEMENT</b>	Chair: <b>Dr. Nguyen Thi Lan Huong</b> (Vice Head of International Cooperation Office, Water Resources University)
10:00- 10:30	Keynote Speech II	<b>Assoc. Prof. Dr. Trinh Minh Thu</b> (Vice Rector of Water Resources University) <b>GEOTECHNICAL ENGINEERING IN VIETNAM: PROBLEMS, OPPORTUNITIES, AND CHALLENGES</b>	
10:30- 10:45	Break		
10:45- 11:30	Environmental Strategist and Global Human Resource Development	<b>Assoc. Prof. Dr. Yuka Watanabe</b> (Kyushu University) <b>AN INTRODUCTION TO EAST ASIA ENVIRONMENTAL STRATEGIST TRAINING PROGRAM (EAESTP)</b>	Chair: <b>Assist. Prof. Dr. Shinji Fukuda</b> (Kyushu University)
		<b>Poster Spotlight 1: Ms. Nguyen Thi Hang Nga</b> (Kyushu University) <b>REMOVAL OF SUSPENDED CLAY PARTICLES FROM WASTEWATER USING LATERITE AND VOLCANIC SOIL AS FLOCCULATING AGENTS</b>	
		<b>Poster Spotlight 2: Ms. Tran Thi Thu Duyen</b> (Kyushu University) <b>WILLINGNESS TO PAY FOR SARUS CRANE CONSERVATION IN MEKONG RIVER DELTA, VIETNAM</b>	
		<b>Poster Spotlight 3: Mr. Do Thuy Nguyen</b> (Kyushu University) <b>GENERATION OF HYDROGEN SULFIDE IN THE DEEPEST PART OF A RESERVOIR UNDER ANOXIC WATER CONDITIONS</b>	
		<b>Poster Spotlight 4: Mr. Trieu Anh Ngoc</b> (Water Resources University) <b>DEVELOPMENT OF MATHEMATICAL MODEL FOR OPTIMIZING OPERATION OF MULTI-PURPOSE RESERVOIR IN BALANCE OF HUMAN AND ENVIRONMENT FLOW REQUIREMENTS</b>	
		<b>Poster Spotlight 5: Mr. Tran The Viet</b> (Water Resources University) <b>SLOPE STABILITY ASSESSMENT OF MAN-MADE SLOPES – A CASE STUDY IN YEN BAI – VIET NAM</b>	
		<b>Poster Spotlight 6: Mr. Nguyen The Anh</b> (Water Resources University) <b>RESEARCH OF EFFECTIVE SOLUTIONS USING RAINWATER IN URBAN AREAS</b>	
		<b>Assist. Prof. Dr. Shinji Fukuda</b> (Kyushu University) <b>AN INTRODUCTION TO PROMOTION OF GLOBAL HUMAN RESOURCE DEVELOPMENT IN KYUSHU UNIVERSITY</b>	
11:30- 13:30	Lunch		
13:30- 15:10	Session 1 Environmental Assessment	<b>Assoc. Prof. Dr. Dang Tung Hoa</b> (Water Resources University) <b>IMPACTS OF LOCAL COMMUNITY ON FOREST AND FOREST LAND AT THUONG TIEN NATURE RESERVE IN KIM BOI DISTRICT, HOA BINH PROVINCE, VIETNAM</b>	Chair: <b>Assoc. Prof. Dr. Masayoshi Harada</b> (Kyushu University)
		<b>Professor Dr. Mitsuyasu Yabe</b> (Kyushu University) <b>ESTIMATING URBAN RESIDENTS' WILLINGNESS TO PAY FOR THE BIODIVERSITY CONSERVATION OF SWAMP FOREST IN VIETNAM</b>	
		<b>Dr. Nguyen Mai Dang</b> (Water Resources University) <b>A MULTIDISCIPLINARY APPROACH FOR FLOOD VULNERABILITY ASSESSMENT</b>	
		<b>Dr. Doan Thu Ha</b> (Water Resources University) <b>MEKONG DELTA RURAL WATER SUPPLY AND RESPONSE SOLUTIONS UNDER CLIMATE CHANGE CONDITIONS</b>	
		<b>Ms. Pham Hong Nga</b> (Water Resources University) <b>ASSESSING CLIMATE CHANGE IMPACTS BY DPSIR FRAMEWORK FOR QUANG NAM COASTAL ZONE, CENTRAL VIETNAM</b>	
15:10- 15:30	Coffee Break		
15:30- 17:10	Session 2 Bioenvironment and Agricultural Production	<b>Dr. Pham Ngoc</b> (Water Resources University) <b>SELECTING HYDROLOGICAL DESIGN FOR BIODIVERSITY CONSERVATION AND MANAGEMENT IN TROPICAL FLOODPLAIN: A RISK BASED APPROACH</b>	Chair: <b>Assoc. Prof. Dr. Yoshiyuki Miyazawa</b> (Kyushu University)
		<b>Dr. Nguyen Cao Don</b> (Water Resources University) <b>NUMERICAL GROUNDWATER FLOW AND SOLUTE TRANSPORT MODELLING - A CASE STUDY OF PHU QUY ISLAND, BINH THUAN PROVINCE, VIETNAM -</b>	
		<b>Professor Dr. Yoshiyuki Shinogi</b> (Kyushu University) <b>RESEARCH OUTCOMES FROM OUR LABORATORY AIMING AT SUSTAINABLE CROP PRODUCTION</b>	
		<b>Professor Dr. Masaharu Kitano</b> (Kyushu University) <b>APPLICATION OF ENVIRONMENTAL RESOURCES IN WATERSHED FOR SUSTAINABLE AND PROFITABLE AGRICULTURE: II. A KINETIC MODEL OF ROOT ION ABSORPTION</b>	
		<b>Assoc. Professor Dr. Yasumaru Hirai</b> (Kyushu University) <b>A PREDICTIVE MODEL OF RICE TILLER NUMBER DURING THE VEGETATIVE GROWTH STAGE</b>	
Joint Seminar: August 8 (Thu) at Water Resources University			
Time			
9:30- 11:30	Session 3 Soil & Water Environment	<b>Senior Assist. Prof. Dr. Eljamal Osama</b> (Kyushu University) <b>SOIL COLUMN EXPERIMENTS TO STUDY THE REMOVAL OF PHOSPHORUS FROM WATER</b>	Chair: <b>Assoc. Prof. Dr. Masayoshi Harada</b> (Kyushu University)
		<b>Assoc. Prof. Dr. Vu Hoang Hoa</b> (Water Resources University) <b>IRRIGATION OPERATION REGIME, INSTITUTIONS AND POLICIES FOR WATER QUALITY MANAGEMENT OF IRRIGATION SYSTEMS: CASE STUDY OF SOUTH THAI BINH SYSTEM</b>	
		<b>Professor Dr. Kiyoshi Kurosawa</b> (Kyushu University) <b>SURFACE AND GROUNDWATER QUALITY IN FARMING VILLAGES IN DONG NAI PROVINCE OF SOUTHERN VIETNAM</b>	
		<b>Dr. Bui Quoc Lap</b> (Water Resources University) <b>DEVELOPMENT OF A MODEL FOR SIMULATION OF VELOCITY FIELD IN LAKES UNDER WIND ACTING ON THEIR WATER SURFACE</b>	
		<b>Assist. Prof. Dr. Motohei Kanayama</b> (Kyushu University) <b>EXAMINATION FOR PREDICTING GROUND SETTLEMENT BASED ON MEASUREMENT RECORDS BY USING NEURAL NETWORK MODEL</b>	
		<b>Mr. Le Trung Phong</b> (Water Resources University) <b>CHECKING THE WORKING OF PILE FOOTING SYSTEM UNDER SOFT SOIL IN HCMC – APPLY FOR CHECKING PILE OF LE VAN TAM PARK'S UNDERGROUND PROJECT – HCMC AND SOME PROPOSAL</b>	
11:30- 13:30	Lunch		
13:30- 15:10	Session 4 Biogeochemistry	<b>Professor Dr. Yuji Oshima</b> (Kyushu University) <b>IMPACT OF AGROCHEMICALS ON FRESHWATER ALGAE, DAPHNIA AND FISH</b>	Chair: <b>Assoc. Prof. Dr. Yoshiyuki Miyazawa</b> (Kyushu University)
		<b>Dr. Vu Duc Toan</b> (Water Resources University) <b>RESIDUE AND ECOLOGICAL RISK ASSESSMENT OF POLYBROMINATED DIPHENYL ETHERS (PBDEs) IN SEDIMENT FROM CAUBAY RIVER, VIETNAM</b>	
		<b>Professor Dr. Kenji Sakai</b> (Kyushu University) <b>ANALYSIS AND MONITORING OF MICROBIAL COMMUNITY STRUCTURE FOR SUSTAINABLE BIOPRODUCTION</b>	
		<b>Professor Dr. Shin-ichiro Wada</b> (Kyushu University) <b>STABILIZATION OF LEAD- AND ARSENIC-CONTAMINATED SOILS BY CONVERTER SLAG</b>	
		<b>Assist. Prof. Dr. Yuki Mori</b> (Kyushu University) <b>A NUMERICAL MODEL OF Cd ADSORPTION TO THE MIXTURE OF HUMIC ACID, FERRIHYDRITE AND GOETHITE USING COMPONENT ADDITIVITY APPROACH</b>	
15:10- 15:30	Coffee Break		
15:30- 17:10	Session 5 Emerging Problems in Central & Southern Vietnam	<b>Dr. Nguyen Thi Kim Cuc</b> (Water Resources University) <b>STUDY ON COASTAL PROTECTION PRODUCTION FUNCTIONS OF MANGROVE VEGETATION IN THANH PHU NATURAL RESERVE, MEKONG DELTA, VIETNAM</b>	Chair: <b>Assist. Prof. Dr. Shinji Fukuda</b> (Kyushu University)
		<b>Mr. Le Trung Thanh</b> (Water Resources University) <b>EFFECT OF THE INTERACTION BETWEEN MONSOON CURRENTS AND WAVES ON THE MORPHOLOGICAL PROCESSES IN THE MEKONG RIVER DELTA COAST</b>	
		<b>Mr. Dang Duc Thanh</b> (Water Resources University) <b>FLOOD DAMAGE ASSESSMENT FOR HOCHIMINH CITY UNDER DAU TIENG DAM-BREAK CONDITIONS: A GRID-BASED GIS APPROACH</b>	
		<b>Dr. Tran Thanh Tung</b> (Water Resources University) <b>STUDY IMPACTS OF UPSTREAM RESERVOIRS ON FLOW REGIMES DOWNSTREAM OF THE VU GIA – THU BON RIVER SYSTEM</b>	
		<b>Mr. Trieu Anh Ngoc</b> (Water Resources University) <b>A SYSTEMATIC APPROACH TO BUILDING URBAN RESILIENCE TO CLIMATE CHANGE IN HO CHI MINH CITY</b>	
17:10- 17:15	Closing Address	<b>Professor Dr. Yoshiyuki Shinogi</b> (Head of Biomass Group, Kyushu University)	Chair: <b>Dr. Nguyen Thi Lan Huong</b> (Vice Head of International Cooperation Office, Water Resources University)
17:15- 18:00	Transportation		
18:00- 21:00	Gala Dinner	Welcome Speech: <b>Professor Dr. Nguyen Quang Kim</b> (Rector of Water Resources University) Toast: <b>Professor Dr. Masaharu Kitano</b> (Head of Water Management Group, Kyushu University) Closing Speech: <b>Professor Dr. Le Dinh Thanh</b> (Vice Rector of Water Resources University)	Chair: <b>Dr. Nguyen Thi Lan Huong</b> (Vice Head of International Cooperation Office, Water Resources University)