



UNESCO-JASTIP Joint Symposium on Intra-Regional Water Security and Disaster Management

The 3rd Symposium on JASTIP Disaster Prevention International Cooperation Research
(JASTIP-WP4 Symposium)

15 & 16 November 2017, SEDA Hotel, Vertis North, Quezon City, Philippines

Draft Programme

Day 1 November 15 2017

Venue: Quezon Hall, SEDA Hotel

8:00 – 8:30 am	Registration	
8:30 – 10:20	Opening Ceremony	
	National Anthem	ANIMA Choir
	Welcome Addresses Dr. Guillermo Tabios III	Chairperson, UNESCO-IHP RSC Chair, Local Organizing Committee, UNESCO-JASTIP Joint Symposium
	Prof. Kaoru Takara	Coordinator, JASTIP-WP4 Symposium Former Chairperson, UNESCO-IHP RSC
	Dr. Hans Dencker Thulstrup	Senior Program Specialist Water and Environmental Sciences UNESCO Office – Jakarta
	Prof Yoshinori Honkura	Professor Emeritus of the Tokyo Institute of Technology), representative of Japan Science and Technology Agency (JST).
	Message	Ambassador of Japan (tbc)
8:30 – 10:20	Special Commemorative Addresses on the Occasion of the 25th Anniversary of IHP Regional Steering Committee Meeting for South East Asia and the Pacific	
	Prof Kuniyoshi Takeuchi	Professor Emeritus, Yamanashi University



	Including message from Prof Yutaka Takahashi Prof Soontak Lee	Professor Emeritus, University of Tokyo Distinguished Professor, Yeungnam University, Daegu, Republic of Korea
	Musical Number	ANIMA Choir
	Opening of Joint Symposium Lila Ramos Shahani	Secretary General, Philippine National Commission for UNESCO (tb)
10:20 - 10:30	Group Photo & coffee Break	All Participants and Guests
10:30 - 12:30	1st Technical Session: River basin management and water governance	Facilitators: Prof. Hidayat Pawitan and Dr. Eugene Herrera
	Ian White, Jicai Zeng, Jinzhong Yang, Jian Yu, Xin Ma	Challenges to Water Security: Hetao Irrigation District, Yellow River Inner Mongolia
	Dennis Jamieson	Implementing change: low-cost, high impact approaches to meet water quality targets identified through an IWRM process
	VIKAS CHANDRA GOYAL	IWRM at Watershed Scale Helps District Government for Water Security
	Eva Mia Siska, Takahiro Sayama, Kaoru Takara	Understanding potential conflicts among sectors due spatial and seasonal water use and availability in Bali, Indonesia
	Shahbaz Khan, Ai Sugiura, Asma Younas, Umair Rabbani, Raza Shah	Multilevel stakeholders' engagement for strategic strengthening of flood warning and management capacity in Pakistan
	Karlina, Takahiro Sayama, Kaoru Takara	ENSO impact to the hydrological drought in Lombok Island, Indonesia
	Maria Cristina V. David, Guillermo Q. Tabios III	Optimization of the net revenue of rice production in Pampanga
	Ulrich Looser	Facilitator Between Data Providers And Data Users
	Masafuni Goto	--
12:30 - 1:30 pm	Lunch Break	

1:30 - 3:45 Inclusive of coffee break	2nd Technical Session: SD6 and Ecohydrology	Facilitators: Prof. Ian White and Dr. Hans Thulstrup
	<p>GREGORIO L. ORTIZ III, JHOANNA RHODETTE I. PEDRASA</p> <p>Amie Lou G. Cisneros</p> <p>MA. BRIDA LEA D. DIOLA, BEATRICE M. BUENVENIDA, MARK ANTHONY J. LABID, IMEE BREN O. VILLALBA</p> <p>Maria Yustiningsih, Ludgardis Ledheng, Vinsensia Sila, Finsensius Oetpah, Ignasius Sutapa</p> <p>Ignasius D.A. Sutapa, Eni Maftuah, Astried Sunaryani, Hidayat Pawitan</p> <p>Eugene C. Herrera</p> <p>Roel Espiritu</p> <p>YOLANDA B. GOMEZ</p> <p>Muhammad Ashraf</p>	<p>DISTRIBUTED DATA VALIDATION AND RECONSTRUCTION FOR WATER DISTRIBUTION MONITORING SYSTEMS</p> <p>ENVIRONMENTAL FLOW ASSESSMENT OF MANOLO FORTICH HYDRO – ELECTRIC POWER SYSTEM</p> <p>ANALYSIS OF POLLUTANT UPTAKE AND RUNOFF STORAGE OF BIOSWALE WITH POTENTIAL VEGETATION</p> <p>ECOHYDROLOGY BLENDED CURRICULUM FOR WATER SECURITY : CASE STUDY OF PERCEPTUAL CHANGES IN MIDDLE SCHOOL LEVEL IN NORTH CENTRAL TIMOR DISTRICT</p> <p>ECOHYDROLOGY APPROACH AS NEW WAY TO SUPPORT AGRICULTURE AND WATER RESOURCES MANAGEMENT IN PEATLAND AREA – CENTRAL KALIMANTAN</p> <p>Hydrodynamic Investigation of Laguna Lake, Philippines for Water Security and Flood Risk Management of Metro Manila</p> <p>Maynilad Resiliency Initiatives</p> <p>BUILDING CLIMATE-RESILIENT WATER UTILITIES FOR WATER SECURITY</p> <p>Water Science Activities under Pakistan National Committee on IHP</p>
3:45 - 5:30	3rd Technical Session: Disaster Preparedness, Recovery and Governance	Facilitators: Prof Yasuto Tachikawa and Prof.Wang Jun
	Tetsuya IKEDA Yoshiyuki Imamura, Syota Sasaki	International Flood Initiative – Recent Progress in Asian countries

	<p>Kensuke OTSUYAMA and Norio MAKI</p> <p>Marcelino Q. Villafuerte II, Robert Badrina, and Esperanza O. Cayanan</p> <p>HISAYUKI KUBOTA, YUKIHIRO TAKAHASHI, MITSUTERU SATO, KOZO YAMASHITA, JUN-ICHI HAMADA</p> <p>EZRA D. OSORIO, FREDERICK JAYSOL M. TANDOC, MARIA ANTONIA N. TANCHULING, MA. BRIDA LEA D. DIOLA</p> <p>RICHARD MARTIN E. RINEN</p> <p>Siti Hafsah Zulkarnain, Muhamad Ali Muhammad Yuzir, Muhammad Najib Razali</p>	<p>Assessing flood risks globally using an improved country-based index</p> <p>Adaptive Strategies for Community Recovery and Identification of Pre-Disaster Activities: A case Study of Villages in Hinthada, Ayeyarwady Region, Myanmar</p> <p>PREDICTABILITY OF TROPICAL CYCLONE OCCURRENCE IN THE PHILIPPINES ON LEAD TIMES BEYOND ONE WEEK</p> <p>DEVELOPMENT OF EXTREME WEATHER MONITORING AND INFORMATION SHARING SYSTEM IN METRO MANILA</p> <p>ASSESSMENT OF DISASTER WASTE MANAGEMENT IN NCR</p> <p>Hospitals in Times of Disasters: Setting Up of Surge Hospitals as a Pot-Catastrophe Response</p> <p>A conceptual framework of economic valuation towards floods disaster</p>
6:30pm	Dinner with cultural show	



Day 2 November 16, 2017

9:00 – 9:15	Recap of Day 1 Proceedings and Opening of Day 2	Dr. Ai Sugiura Programme Specialist UNESCO Office – Jakarta
9:15 - 10:15	4th Technical Session: Flood	Facilitators: Prof. Kaoru Takara and Asst. Prof. Richmark Macuha
	WANG JUN	FLOOD CONTROL AND CHANNEL DEVELOPMENT IN THE MIDDLE AND LOWER YANGTZE RIVER
	Guillermo Q. Tabios III	Alternative Flood Mitigation Plans For Cagayan De Oro River
	KENICHIRO KOBAYASHI	MEKONG RIVER INUNDATION SIMULATION USING K-SUPER COMPUTER
	TAKAHIRO SAYAMA, APIP, LUKI SUBEHI, KODAI YAMAMOTO, KAORU TAKARA	Rainfall Runoff-Inundation Simulation for Basin-wide Flood Hazard Mapping at the Batanghari River in Sumatra, Indonesia
10:15 -10:30	Coffee Break	
10:30 - 11:30	5th Technical Session: Climate change and resilience	Facilitators: Dr. Roberto Soriano and Dr. Natt Leelawat
	SOHAIB BAIG , TAKAHIRO SAYAMA , KAORU TAKARA	IMPACT OF CLIMATE CHANGE ON STREAM FLOWS IN HUNZA RIVER BASIN
	YASUTO TACHIKAWA, PATINYA HANITTINAN, KAZUAKI YOROZU, YUTAKA ICHIKAWA	FUTURE CHANGE ANALYSIS OF EXTREME FLOODS AT THE INDOCHINESE PENINSULA USING LARGE ENSEMBLE CLIMATE SIMULATION DATA
	Teuku Faisal Fathani	Strengthening the resilience by reducing risk from sediment-related disasters
	TRUNG LA, MAI NGUYEN, SAMEH KANTOUSH, TETSUYA SUMI, BINH DOAN	EVALUATION ON THE IMPACTS OF HYDROPOWER DEVELOPMENT ON SALINITY INTRUSION INTO VIETNAMESE MEKONG DELTA

11:30 - 1:00 pm	<p>6th Technical Session: Earthquakes, geologic and coastal hazards</p> <p>SAIMA RIAZ, KAORU TAKARA, KYOJI SASSA</p> <p>LINDUNG ZALBUIN MASE, SUCHED LIKITLERSUANG, TETSUO TOBITA</p> <p>Khamarrul Azahari Razak</p> <p>NATT LEELAWAT, ANAWAT SUPPASRI, MONGKONKORN SRIVICHAI, TITAYA SARARIT, JING TANG, PANON LATCHAROTE, WISARUTA VEERASAI, THAWORN CHAROENDEE, FUMIHIKO IMAMURA</p> <p>RONALDYN E. DABU</p> <p>Eric C. CRUZ , Jeane B. CAMELO , Laurenz Luigi B. CRUZ</p>	<p>Facilitators: Prof. Tabios and Dr. Kenichiro Kobayashi</p> <p>AN INTEGRATED MODEL SIMULATING THE INITIATION AND MOTION OF EARTHQUAKE AND RAIN INDUCED LANDSLIDE IN PAKISTAN</p> <p>A STUDY OF LIQUEFACTION POTENTIAL IN CHIANG RAI PROVINCE, NORTHERN THAILAND</p> <p>Geohazard Risk Assessment in a Tectonically Active Region in Malaysia</p> <p>LOOKING THROUGH DISASTER MANAGEMENT OF THAILAND: A FOCUS ON EARTHQUAKE AND TSUNAMI</p> <p>INVESTIGATION OF TIDE DATA PROCESSING AND UTILIZATION BY NAMRIA – APPLICATION TO ASTRONOMIC TIDE SYNTHESIS OF SOUTH HARBOR PORT MANILA</p> <p>DISASTER MITIGATION IMPLICATIONS OF STUDY OF MANILA COASTAL FLOODING DUE TO RECENT TYPHOONS</p>
1:00 - 2:00 pm	Lunch Break	
2:00 – 3:30	<p>6th Technical Session: Earthquakes, geologic and coastal hazards (continued)</p> <p>IMEE BREN O. VILLALBA, ERIC C. CRUZ</p>	<p>Facilitators: Prof. Tabios and Dr. Kenichiro Kobayashi</p> <p>STORM SURGE SIMULATION OF TYPHOON HAIYAN (2013) AND TYPHOON AGNES (1984) IN SAN PEDRO BAY USING THE ADVANCED CIRCULATION (ADCIRC) MODEL</p>

	MARJORIE TURIANO, ERIC CRUZ	COMPARATIVE ANALYSIS OF PARAMETRIC CYCLONE MODELS FOR SURFACE WIND AND SEA LEVEL PRESSURE MODELING FOR STORM SURGE SIMULATIONS
	RONALDYN E. DABU	INVESTIGATION OF TIDE DATA PROCESSING AND UTILIZATION BY NAMRIA – APPLICATION TO ASTRONOMIC TIDE SYNTHESIS OF SOUTH HARBOR PORT MANILA
	Eric C. CRUZ , Jeane B. CAMELO , Laurenz Luigi B. CRUZ	DISASTER MITIGATION IMPLICATIONS OF STUDY OF MANILA COASTAL FLOODING DUE TO RECENT TYPHOONS
	IMEE BREN O. VILLALBA, ERIC C. CRUZ	STORM SURGE SIMULATION OF TYPHOON HAIYAN (2013) AND TYPHOON AGNES (1984) IN SAN PEDRO BAY USING THE ADVANCED CIRCULATION (ADCIRC) MODEL
	MARJORIE TURIANO, ERIC CRUZ	COMPARATIVE ANALYSIS OF PARAMETRIC CYCLONE MODELS FOR SURFACE WIND AND SEA LEVEL PRESSURE MODELING FOR STORM SURGE SIMULATIONS
3:30 – 4:30	7th Technical Session: Winds and Building Structures	Facilitators: Dr. Eric Cruz and Asst. Prof. Imee Villalba
Inclusive of coffee break	Ryuichi Inoue , Kazuyoshi Nishijima	Modeling of wind flow around tree for CFD simulation: Preliminary investigation by wind tunnel experiment with tree model
	Richmark N. Macuha	FLOOD VULNERABILITY ASSESSMENT OF PUBLIC SCHOOL BUILDINGS IN METRO MANILA, PHILIPPINES
	JERILEE GONEO TADOY, ERIC AUGUSTUS J. TINGATINGA	COMPARATIVE STUDY ON BEAM-COLUMN JOINT MODELS OF RC FRAMES: APPLICATION TO OLD BUILDINGS FOR SEISMIC ASSESSMENT
	NORIO MAKI	TOOLS FOR EFFECTIVE RESPONSE: SPACE DESIGN FOR EMERGENCY OPERATION
4:30 – 4:45	Message from representative of the next host country	China
	Closing Remarks Dr. Seville David	Executive Director National Water Resources Board (NWRB) Philippines