

Sessions_Oral Presentations

19(Mon), August 11:00 - 12:40

B112(Auditorium)

Climate Change Assessment and Water Management I	
Chairs: Surendra Shrestha (University of Western Sydney) and Jaehak Jeong (Texas A&M University System)	
11:00-11:20	A Study on Variability of Small Hydro Power Generation Considering Climate Change Byung Yun AHN (Inha University) Seung Pyo SUN (Lotte Engineering & Construction Co., Ltd) Gil Ho KIM (Inha University) Hung Soo KIM (Inha University)
11:20-11:40	Development of a Regional Hydrological Model Including Inundation Effect of the Extreme Flood in the Chao Phraya River Basin, Thailand Supattana WICHAKUL (Kyoto University) Yasuto TACHIKAWA (Kyoto University) Michiharu SHIIBA (Kyoto University) Kazuaki YOROZU (Kyoto University)
11:40-12:00	Precipitation Projection Based on A1B Scenario through Nonstationary Coordinated Downscaling in Hapcheon Dam Basin Soo Jin MOON (Dankook University) Boosik KANG (Dankook University) Jung Joong KIM (Isan Corporation)
12:00-12:20	Spatio-Temporal Characteristics of Standardized Precipitation Index in the Haihe River Basin during the past decades Liu LIU (China Agricultural University) Zongxue XU (Beijing Normal University)
12:20-12:40	Climatic Changes Perspective on Ecohydrology of Bangladesh Abdullah AL-MUYEED (Ahsanullah University of Science and Technology) M. HABIBUR RAHMAN (Bangladesh University of Engineering & Technology) TANVEER F. SAEED (Bangladesh University of Engineering & Technology)

Sessions_Oral Presentations

19(Mon), August 11:00 - 12:40

B115 (Multimedia Room)

Water-Related Disasters and Hydrological Change I	
Chairs: Ian White (Australian National University) and Pingping Luo (Kyoto University)	
11:00-11:20	Alternative BMP Using a Biodegradable Check Dam (BCD) for Controlling Pollutant Discharge from Agricultural Fields Min Young KIM (National Academy of Agricultural Science) Seoung Hee KIM (National Academy of Agricultural Science) Sang Bong LEE (National Academy of Agricultural Science) Jin Oh KIM (National Academy of Agricultural Science) Young Jin KIM (National Academy of Agricultural Science) Yong Ho CHO (National Academy of Agricultural Science)
11:20-11:40	Quantifying the Effectiveness of Measures Taken for Vulnerable People in Disaster Risk Management (DRM) in the Netherlands Karina VINK (International Centre for Water Hazard and Risk Management) Kuniyoshi TAKEUCHI (International Centre for Water Hazard and Risk Management)
11:40-12:00	Proposing a Framework for Assessing Flood Risk Management Based on Landuse Regulation and Flood Insurance Yutaka ICHIKAWA (University of Yamanashi)
12:00-12:20	Highway Flood Hazard Mapping in Thailand Saisunee BUDHAKOONCHAROEN (Mahanakorn University) Tomo YAMADA (Hokkaido University) Dhabhisara B. (Chulalongkorn University) Wichien MAHADHAMRONGCHAI (Department of Highway) Jiraroth SUKOLRAT (Department of Highway)
12:20-12:40	Assessing the Destructive Disaster of Typhoon Washi in the Philippines through Satellite Imagery Jerry FANO (Flood Control and Sabo Engineering Center)

Sessions_Oral Presentations

19(Mon), August 11:00 - 12:20

B119 (Lecture Room #1)

Integrated Water Resources Management I	
Chairs: Shinjiro Kanae (Tokyo Institute of Technology) and Gi Ha Lee (Kyungpook National University)	
11:00-11:20	<p>Evaluation of Incident Shift of River Fish Species Richness from Long Term Shifts of Water Resources Uses in Global Scale</p> <p>Kazunari HIRANO (Tokyo Institute of Technology) Sayaka YOSHIKAWA (Tokyo Institute of Technology) Chihiro YOSHIMURA (Tokyo Institute of Technology) Pengzhe SUI (Tokyo Institute of Technology) Shinziro KANAE (Tokyo Institute of Technology)</p>
11:20-11:40	<p>An Assessment of Global Net Irrigation Water Requirement to Sustaining Irrigation (1960-2000 and 2050)</p> <p>Sayaka YOSHIKAWA (Tokyo Institute of Technology) J. CHO (Pukyong National University) N. HANASAKI (National Institute for Environmental Studies) H. G. YAMADA (Tokyo Institute of Technology) A. KHAJURIA (Tokyo Institute of Technology) S. KANAE (Tokyo Institute of Technology)</p>
11:40-12:00	<p>The Application SWAT Model of Radar Rainfall Data for Water Resources Management</p> <p>Hui Seong NOH (Inha University) Hyun Seok SHIN (Inha University) Na Rae KANG (Inha University) Hung Soo KIM (Inha University)</p>
12:00-12:20	<p>An Application of a Distributed Hydrological Modeling (S-RAT) Utilizing Radar Data in the Three Catchments</p> <p>Dong Seop LEE (Surotech Co, Ltd) Se Jin JUNG (Kangwon National University) Byung Sik KIM (Kangwon National University)</p>

Sessions_Oral Presentations

19(Mon), August 14:00 - 15:40

B112 (Auditorium)

Climate Change Assessment and Water Management II	
Chairs: Yoshihiko Iseri (Tokyo Institute of Technology) and Edmond Lo (Nanyang Technological University)	
14:00-14:20	<p>Simple Statistical Downscaling of Precipitation Considering Spatial Correlation</p> <p>Sun Min KIM (Kyoto University) Eiichi NAKAKITA (Kyoto University) Masutaka INOUE (Kyoto University) Yasuto TACHIKAWA (Kyoto University) Michiharu SHIIBA (Kyoto University)</p>
14:20-14:40	<p>Advanced Data Downscaling for Climate Change Adaptation in Hokkaido Region, Japan</p> <p>M. A. FARUKH (Hokkaido University) T. J. YAMADA (Hokkaido University)</p>
14:40-15:00	<p>A Bias Correction Method Preserving the Trend of Variation</p> <p>Satoshi WATANABE (The University of Tokyo) Yukiko HIRABAYASHI (The University of Tokyo) Shinjiro KANAE (Tokyo Institute of Technology)</p>
15:00-15:20	<p>Projection of Stream Flow in Indochina Peninsula Using the MRI-AGCM3.2S Dataset</p> <p>Toan D. DUONG (Kyoto University) Yasuto TACHIKAWA (Kyoto University) Michiharu SHIIBA (Kyoto University) Kazuaki YOROZU (Kyoto University)</p>
15:20-15:40	<p>Climate Change and Water Scarcity on Rainfed Rice in Non-Irrigation Area of Thailand</p> <p>Cha-Un NITTAYA (King Mongkut's University of Technology Thonburi) Chidthaisong AMNAT (King Mongkut's University of Technology Thonburi) Towprayoon SIRINTORNTHAP (King Mongkut's University of Technology Thonburi) Sanwangsri MONTRI (University of Phayao) Daisuke KOMORI (Tohoku University)</p>

Sessions_Oral Presentations

19(Mon), August 14:00 - 15:40

B115 (Multimedia Room)

Water-Related Disasters and Hydrological Change II	
Chairs: Djoko Legono (Universitas Gadjah Mada) and Se-Yeong Hamm (Pusan National University)	
14:00-14:20	<p>Global Flood Risk in the Last Decades of the 21st Century under the Latest Emission Scenarios Shinjiro KANAE (Tokyo Institute of Technology) Yukiko HIRABAYASHI (The University of Tokyo) Roobavannan MAHENDRAN (The University of Tokyo) Sujan KOIRALA (The University of Tokyo) Lisako KONOSHIMA (The University of Tokyo) Dai YAMAZAKI (University of Bristol) Satoshi WATANABE (The University of Tokyo) Hyungjun KIM (The University of Tokyo)</p>
14:20-14:40	<p>Development and Comparison of Typhoon Risk Models in the Western North Pacific Region Akito IWASAKI (Tokyo Institute of Technology) Keisuke KUSUHARA (Tokyo Institute of Technology) Yoshihiko ISERI (Tokyo Institute of Technology) Wee Ho LIM (Tokyo Institute of Technology) Shinjiro KANAE (Tokyo Institute of Technology)</p>
14:40-15:00	<p>Assessment of Flood Vulnerability Based on RCP Scenarios at a County Level Ji Hoon PARK (Seoul National University) Moon Seong KANG (Seoul National University) In Hong SONG (Seoul National University)</p>
15:00-15:20	<p>Paleo-discharge Simulation of a Small River Basin under the Extreme Events Pingping LUO (Kyoto University) Kaoru TAKARA (Kyoto University) APIP (Kyoto University) Bin HE (Kyoto University) Weili DUAN (Kyoto University) Maochun HU (Kyoto University)</p>
15:20-15:40	<p>Flood Vulnerability of the Selected Basins in Thailand and Republic of Korea using Multi-Criteria Decision Making Gun Hui CHUNG (Hoseo University) Kanokporn BOOCHABUN (Royal Irrigation Department)</p>

Sessions_Oral Presentations

19(Mon), August 14:00 - 15:40

B119 (Lecture Room #1)

Integrated Water Resources Management II	
Chairs: Saisunee Budhakooncharoen (Mahanakorn University of Technology) and Toshio Hamaguchi (Disaster Prevention Research Institute)	
14:00-14:20	<p>Improving Uncertain Boundary Conditions with 2D Hydraulic Model and Particle Filters Yeon Su KIM (Kyoto University) Yasuto TACHIKAWA (Kyoto University) Kazuaki YOROZU (Kyoto University) Michiharu SHIIBA (Kyoto University)</p>
14:20-14:40	<p>Motivation of Stakeholders for Integrated River Basin Management in Monobe River in Japan Tsunemi WATANABE (Kochi University of Technology)</p>
14:40-15:00	<p>Estimating Evapotranspiration with Korea Land Data Assimilation System Yoon Jin LIM (National Institute of Meteorological Research) Tae Young LEE (Yonsei University) Jin Kyu HONG (Yonsei University) Chul Kyu LEE (National Institute of Meteorological Research) Hyun Sook JUNG (National Institute of Meteorological Research) Jae Cheol NAM (National Institute of Meteorological Research)</p>
15:00-15:20	<p>Improvement and Application of SWAT Model for Irrigation Water Supply in Agricultural Reservoir of South Korea Jong-Yoon PARK (Konkuk University) Rim HA (Konkuk University) So-Ra. AHN (Konkuk University) Sang-Ho KIM (Konkuk University) Seong-Joon KIM (Konkuk University)</p>
15:20-15:40	<p>Ecological Recycling of Wastewater and Urban Food Kaushik GHOSH (Centre for Built Environment) Santosh GHOSH (Centre for Built Environment)</p>

Sessions_Oral Presentations

19(Mon), August 16:00 - 17:40

B112 (Auditorium)

Climate Change Assessment and Water Management III	
Chairs: Murad Farukh (Hokkaido University) and Takahiro Endo (Osaka Prefecture University)	
16:00-16:20	<p>Watershed Management: Participatory Issues for Sustainable Livelihood A. KHAJURIA (Tokyo Institute of Technology) S. YOSHIKAWA (Tokyo Institute of Technology) S. KANAE (Tokyo Institute of Technology)</p>
16:20-16:40	<p>A Derivation of the Instantaneous Unit Hydrograph Based on the Time-Area Diagram of Ellipse-Shaped Basin Changhyun JUN (Korea University) Chulsang Yoo (Korea University)</p>
16:40-17:00	<p>Groundwater Level and Temperature Change of Drainage Basins Associated to Regional Climate in South Korea Seong JANG (Korea Rural Community Corporation) Se-Yeong HAMM (Pusan National University) Jae-Yeol CHEONG (Korea Radioactive Waste Management Corporation) Gyoo Bum KIM (K-water)</p>
17:00-17:20	<p>Streamflow Response to Climate Change and Human Activities in the Wei River Basin, China Depeng ZUO (Beijing Normal University) Zongxue XU (Beijing Normal University)</p>
17:20-17:40	<p>Seasonally Delayed Melt Water Characteristics of a Large Himalayan Glacier Manohar ARORA (National Institute of Hydrology) Rakesh KUMAR (National Institute of Hydrology) Naresh KUMAR (National Institute of Hydrology) Jatin MALHOTRA (National Institute of Hydrology)</p>

Sessions_Oral Presentations

19(Mon), August 16:00 - 17:40

B115 (Multimedia Room)

Water-Related Disasters and Hydrological Change III	
Chairs: Yutaka Ichikawa (University of Yamanashi) and Siriluk Chumchean (Mahanakorn University of Technology)	
16:00-16:20	<p>Real-Time Pump Operation System and Its Application for Yongdu Basin in Korea Do Guen YOO (Korea University) Seung Yub LEE (Korea University) Sung Min LIM (Korea University) Joong Hoon KIM (Korea University)</p>
16:20-16:40	<p>The Development and Evaluation of the Rain-Based Urban Flood Forecasting Method with X-MIP Radar in Toga River Basin, Japan Seong Sim YOON (Kyoto University) Eiichi NAKAKITA (Kyoto University)</p>
16:40-17:00	<p>The Rainfall Characteristic and Its Contribution to Urban City Flooding of Jakarta Djoko LEGONO (Universitas Gadjah Mada) Joko SUJONO (Universitas Gadjah Mada) Rachmad JAYADI (Universitas Gadjah Mada)</p>
17:00-17:20	<p>Floods in Jakarta and Papua, Indonesia, What Is the Difference? Eko KUSRATMOKO (University of Indonesia)</p>
17:20-17:40	<p>Simulating Potential Impacts of Climate Change on Soil Production and Slope Instability in Western Japan Using MRI-AGCM3.2 with 20-km Grid APIP (Kyoto University) Eiichi NAKAKITA (Kyoto University) Kaoru TAKARA (Kyoto University) Kenichiro KOBAYASHI (Kyoto University)</p>

Sessions_Oral Presentations

19(Mon), August 16:00 - 17:40

B119 (Lecture Room #1)

Integrated Water Resources Management III	
Chairs: Tae-Woong Kim (Hanyang University) and Hwandon Jun (Seoul National University of Science and Technology)	
16:00-16:20	Newly Developed Simplified Estimation Method on the Runoff Control by Means of Rainwater Storage and Infiltration Facilities M. IMBE (Association for Rainwater Storage and Infiltration Technology) Hiroyuki OKUI (Association for Rainwater Storage and Infiltration Technology)
16:20-16:40	Land Use Impacts on Water Quality following Landscape - Scale Fire in a Major Water Supply Catchment Alan WADE (Australian National University) Ian WHITE (Australian National University) Martin WORTHY (Australian National University) Malcolm GILL (Australian National University) Norm MUELLER (ALS Laboratory Group Canberra) Phil TAYLOR (ALS Laboratory Group Canberra) Robert WASSON (National University of Singapore)
16:40-17:00	The Appearance of Effects of Cloud Seeding on Rainfall Occurring Walairat BUNTHAI (Mahanakorn University of Technology) Siriluk CHUMCHEAN (Mahanakorn University of Technology)
17:00-17:20	Landslide Monitoring and Assessment System Using Low-Cost Wireless Communication Chaiporn JAICAE (Kasetsart University)
17:20-17:40	Cumulative Biophysical Impact of Small and Large Hydropower Development in Nu River, China Kelly M. KIBLER (International Centre for Water Hazard and Risk Management under the auspices of UNESCO)

Sessions_Oral Presentations

20(Tue), August 09:00 - 10:40

B112 (Auditorium)

Climate Change Assessment and Water Management IV	
Chairs: Young-Il Moon (University of Seoul) and Dawen Yang (Tsinghua University)	
09:00-09:20	Groundwater Management: Pump Tax versus Technological Regulations Takahiro ENDO (Osaka Prefecture University)
09:20-09:40	Theoretical Approach of Horizontal Seawater Intrusion Model and Its Advantages Toshio HAMAGUCHI (Kyoto University) Tetsuya SUMI (Kyoto University) Ahmed KAMAL (Kyoto University)
09:40-10:00	Numerical Consideration of Groundwater Flow in Nile Delta and Its Demonstration of Canals' Efficiency Ahmed KAMAL (Kyoto University) Toshil HAMAGUCHI (Kyoto University) Tetsuya SUMI (Kyoto University) Kenji TANAKA (Kyoto University)
10:00-10:20	Preliminary Study on Stochastic Assessment of Global Climate Change Impact on Groundwater Environment Yoshinobu KIDO (Kyoto University) Yuki KITAGAWA (Kyoto University) Eiichi NAKAKITA (Kyoto University)
10:20-10:40	Predicting Groundwater Level with ANN To Assess Climate Change Effect at Chandpur, Bangladesh M. Tauhid-Ur RAHMAN (Shahjalal University of Science & Technology) Noor E Asmaul HUSNA (Shahjalal University of Science & Technology) Sheikh Hefzul BARI (Shahjalal University of Science & Technology) Manjarul HOSSAIN (Shahjalal University of Science & Technology) Akira MANO (Tohoku University) Shuichi KURE (Tohoku University) Yoshinobu ISHIBASHI (Tohoku University)

Sessions_Oral Presentations

20(Tue), August 09:00 - 10:40

B115 (Multimedia Room)

Water-Related Disasters and Hydrological Change IV	
Chairs: Sunmin Kim (Kyoto University) and Mohammad Bagus Adityawan (Tohoku University)	
09:00-09:20	Characteristics of the 2013 Jakarta Flood in Indonesia Shuichi KURE (Tohoku University) Jeremy BRICKER (Tohoku University) Abdul MUHARI (Tohoku University) Yo FUKUTANI (Tohoku University) Mohammad FARID (Institut Teknologi Bandung) Akira MANO (Tohoku University)
09:20-09:40	Sequential Data Assimilation for Flood Forecasting Using a Distributed Hydrologic Model and Numerical Weather Prediction Seong Jin NOH (Korea Institute of Construction Technology) Oldrich RAKOVEC (Wageningen University) Albrecht H. WEERTS (Wageningen University) Yasuto TACHIKAWA (Kyoto University)
09:40-10:00	Assessment of Flood Extent and Effects of Urbanization Edmond Y. M. LO (Nanyang Technological University) Charng Ning CHEN (Nanyang Technological University)
10:00-10:20	Data Assimilation of Ice Water Mixing Ratios Estimated from Polarimetric Radar Observation for Heavy Rainfall Prediction Kosei YAMAGUCHI (Kyoto University) Kohei FURUTA (Kyoto University) Eiichi NAKAKITA (Kyoto University)
10:20-10:40	The Use of Geostationary Based Rainfall Estimation Combined with Land Surface Model for Regional Flash Flood Assessment Dwi Prabowo Yuga SUSENO (Hokkaido University) Tomohito J. YAMADA (Hokkaido University)

Sessions_Oral Presentations

20(Tue), August 09:00 - 10:40

B119 (Lecture Room #1)

Integrated Water Resources Management IV	
Chairs: Jeong-Kon Kim (K-water Institute) and Yeonjoo Kim (Korea Environment Institute)	
09:00-09:20	Sustainable Water Supply Network Design and Planning Doosun KANG (Kyung Hee University) Jaehyun AHN (Seokyeong University)
09:20-09:40	Reproducing Shrinking of the Aral Sea by Land Surface Analysis Considering the Impacts of Expanding Irrigated Area Yoshiya TOUGE (Kyoto University) Kenji TANAKA (Kyoto University) Eiichi NAKAKITA (Kyoto University)
09:40-10:00	Integrated Risk Assessment of Water Resources Management in the Aral Sea Basin Temur KHUJANAZAROV (Kyoto University) K. TANAKA (Kyoto University) Y. ICHIKAWA (University of Yamanashi) K. TODERICH (International Center for Biosaline Agriculture for Central Asia and Caucasus)
10:00-10:20	Uncertainty Analysis of HEC-HMS Model with Probability Rainfall Estimation Soonho HWANG (Seoul National University) Sang Min JUN (Seoul National University) Moon-Seong KANG (Seoul National University)
10:20-10:40	The Study of the Effect of Structural Elements on the Water Resource Abundance in the Dehdasht (South Iran) Area Using GIS Khodarahm Shafiei MOTLAGH (Faculty of Islamic Azad University) S. PIRASTEH (Faculty of Environment University of Waterloo) O. A. NAOROOZI (Faculty of Islamic Azad University)

Sessions_ Oral Presentations

20(Tue), August 09:00 - 10:20

B120 (Lecture Room #2)

Hydrology for Sustainability I	
Chairs: Kyungrock Paik (Korea University) and Dae-Hong Kim (University of Seoul)	
09:00-09:20	Application of Advanced Process-Based Model to West Siberian Lowland Tadanobu NAKAYAMA (National Institute for Environmental Studies) Shamil MAKSYUTOV (National Institute for Environmental Studies)
09:20-09:40	Estimation of Glacier Mass Changes Using a Precipitation Data Set Compiled from Satellite Observations Megumi WATANABE (Tokyo Institute of Technology) Shinta SETO (Nagasaki University) Yukiko HIRABAYASHI (The University of Tokyo) Shinjiro KANAE (Tokyo Institute of Technology)
09:40-10:00	Forecasting Discharge with Chaos Theory for Ciliwung River in Jakarta Yabin SUN (National University of Singapore) Chi Dung DOAN (National University of Singapore) Anh Tuan DAO (National University of Singapore) Jiandong LIU (National University of Singapore) Dadiyorto WENDI (National University of Singapore) Shie-Yui LIONG (National University of Singapore)
10:00-10:20	Regionalization of the MBLRP Stochastic Rainfall Generation Model Across the Continental United States Dongkyun KIM (Hongik University)

Sessions_ Oral Presentations

20(Tue), August 11:00 - 12:40

B112 (Auditorium)

Climate Change Assessment and Water Management V	
Chairs: Junichi Yoshitani (Kyoto University) and Hung Soo Kim (Inha University)	
11:00-11:20	Tele-Connection Signals between Pacific and Atlantic Oceans Taesam LEE (Gyeongsang National University) Taha B. M. J. OUARDA (Masdar Institute of Science and Technology) Changsam JEONG (Induk University)
11:20-11:40	Estimation of Glacier Mass Changes Using GRACE Satellite and Numerical Models Hidetoshi MAEDA (The University of Tokyo) Hyungjun KIM (The University of Tokyo) Yukiko HIRABAYASHI (The University of Tokyo)
11:40-12:00	Estimation of Spatial Distribution of Debris Cover on Caucasus Glaciers Using ASTER IMAGERY Omi NOGUCHI (The University of Tokyo) Yong ZHANG (The University of Tokyo) Satoshi WATANABE (The University of Tokyo) Yukiko HIRABAYASHI (The University of Tokyo)
12:00-12:20	Correlation between Surface Wind Speed and Arctic Oscillation from Decadal Observations in the Korean Peninsula Jongchun KIM (Korea University) Kyungrock Paik (Korea University)
12:20-12:40	Multi-Decadal Rainfall Trend in Evocities in Regional New South Wales, Australia Francis LANE (University of Western Sydney) Surendra SHRESTHA (University of Western Sydney)

Sessions_Oral Presentations

20(Tue), August 11:00 - 12:40

B115 (Multimedia Room)

Water-Related Disasters and Hydrological Change V	
Chairs: Shuichi Kure (Tohoku University) and Tokuo Kishii (Kanazawa Institute of Technology)	
11:00-11:20	A New Design Method for Retaining Wall in a Snowy Cold Region Considering Snowmelt and Rainfall Chikatsugu KARASHIMA (Chuo University) Tadashi YAMADA (Chuo University)
11:20-11:40	Assessment of Variation in River Discharge Induced by the 2011 Tohoku Tsunami Min ROH (Tohoku University) Mohammad Bagus ADITYAWAN (Tohoku University) Hitoshi TANAKA (Tohoku University)
11:40-12:00	Dam Break Flow Simulation Using Finite Volume Method Mohammad Bagus ADITYAWAN (Tohoku University) Min ROH (Tohoku University) Hitoshi TANAKA (Tohoku University)
12:00-12:20	Loss of Resilience in Island Water Supply in the Maldives Following the 2004 Tsunami Ian WHITE (Australian National University) Tony FALKLAND (Island Hydrology Services) Rasheed BARI (Development Technologies Maldives)
12:20-12:40	Flow and Sediment Discharge Characteristics of the Subansiri River and Their Impact on the Lower Part of the Basin in Assam, India Chinmoyee GOGOI (Gauhati University) Dulal C. GOSWAMI (Gauhati University)

Sessions_Oral Presentations

20(Tue), August 11:00 - 12:40

B119 (Lecture Room #1)

Integrated Water Resources Management V	
Chairs: Temur Khujanazarov (Kyoto University) and Seungho Lee (Korea University)	
11:00-11:20	Estimation of Instream Flow for Supporting Sustainable Development in Korea Jung-Eun PARK (K-water Institute) Jeongkon KIM (K-water Institute) Sang Uk LEE (K-water Institute) Jun Ho CHA (Han River Flood Control Office)
11:20-11:40	The Effects of Countermeasures for the Integrated Watershed Management in Lake Inba-Numa Uehara HIROSH (Pacific Consultants Co.,Ltd) Yuasa TAKASHI (Pacific Consultants Co.,Ltd) Takinami YOSHIHIRO (River Environment Division) Ogura HISAKO (Former Chiba Prefectural Environmental Research Center) Mushiaki KATSUMI (The University of Tokyo)
11:40-12:00	Quantitative Precipitation Estimation Based on Dual Polarization Radar Siriluk CHUMCHEAN (Mahanakorn University of Technology) Pattarapon EUWANGSO (Mahanakorn University of Technology)
12:00-12:20	Increasing of Accuracy of Hourly Radar Rainfall Estimation Ratchawatch HANCHOOWONG (Mahanakorn University of Technology) Siriluk CHUMCHEAN (Mahanakorn University of Technology)
12:20-12:40	Current Situation and Issues in Multi-Reservoirs Operation in Ba River Basin Luong Huu DUNG (Vietnam Institute of Meteorology Hydrology and Environment)

Sessions_Oral Presentations

20(Tue), August 11:00 - 12:20

B120 (Lecture Room #2)

Hydrology for Sustainability II	
Chairs: Chulsang Yoo (Korea University) and Taesam Lee (Gyeongsang National University)	
11:00-11:20	<p>HYPE Model Application in KAMO River Basin, Japan Maochuan HU (Kyoto University) Bin HE (Kyoto University) Pingping LUO (Kyoto University) Kaoru TAKARA (Kyoto University)</p>
11:20-11:40	<p>A Study of Parameter Regionalization and ReFH Model Evaluation for Ungaged Watershed Flood Estimation Sang-Ho KIM (Konkuk University) So-Ra AHN (Konkuk University) Seong-Joon KIM (Konkuk University)</p>
11:40-12:00	<p>Estimation of Salt flux and Flushing Time in a Shallow Estuary Using Acoustic Tomography System Mohammad SOLTANIASL (Hiroshima University) Kiyosi KAWANISI (Hiroshima University) Junki YANO (Hiroshima University) Kazuhiko ISHIKAWA (Hiroshima University)</p>
12:00-12:20	<p>Impacts of Human Activities and Climate Change on Sediment Load in the Mekong River Basin Zuliziana SUJF (Tokyo Institute of Technology) Chihiro YOSHIMURA (Tokyo Institute of Technology) Oliver C. Saavedra VARERIANO (Tokyo Institute of Technology)</p>

Sessions_Oral Presentations

20(Tue), August 14:00 - 15:40

B112 (Auditorium)

Climate Change Assessment and Water Management VI	
Chairs: Satoshi Watanabe (The University of Tokyo) and Taesam Lee (Gyeongsang National University)	
14:00-14:20	<p>Classification of Observed Typhoons from Their Track and Intensity Yoshihiko ISERI (Tokyo Institute of Technology) Shinjiro KANAE (Tokyo Institute of Technology)</p>
14:20-14:40	<p>Typhoon-Induced Rainfall Variability in Korea during CT/WPEI Niño Years Jong-Suk KIM (University of Seoul) Sun-Kwon YOON (APEC Climate Center) Young-Il MOON (University of Seoul) Chan-Young SON (University of Seoul)</p>
14:40-15:00	<p>Contribution of Climate Change to Pakistan's Heavy Rainfalls in 2010 Kohei HAMAGUCHI (Tokyo Institute of Technology) Yukiko IMADA (Tokyo Institute of Technology, The University of Tokyo) Hideo SHIOGAMA (National Institute for Environmental Studies) Shinjiro KANAE (Tokyo Institute of Technology)</p>
15:00-15:20	<p>Simulation of the East Asia Summer Rainfall Using the High Resolution AGCM for 1981-2009 In-Won KIM (Pukyong National University) Jai-Ho OH (Pukyong National University) Mia KIM (Pukyong National University)</p>
15:20-15:40	<p>Projection of Extreme Precipitation Induced by Typhoon in the Kagami Basin in Japan Tomoko SATO (Tokyo Institute of Technology) Keisuke KUSUHARA (Tokyo Institute of Technology) Yukiko IMADA (The University of Tokyo) Shinjiro KANAE (Tokyo Institute of Technology)</p>

Sessions_Oral Presentations

20(Tue), August 14:00 - 15:40

B115 (Multimedia Room)

Water-Related Disasters and Hydrological Change VI	
Chairs: Anupam Khajuria (Tokyo Institute of Technology) and Sunkwon Yoon (APEC Climate Center)	
14:00-14:20	<p>Assessment of Hydrological Forecasting Using Ensemble-Based High-Resolution Numerical Weather Prediction during the 2011 Largest Flood Event in Japan</p> <p>Wansik YU (Kyoto University) Eiichi NAKAKITA (Kyoto University) Kosei YAMAGUCHI (Kyoto University) Sunmin KIM (Kyoto University)</p>
14:20-14:40	<p>A Comparative Study of Estimating Extreme Rainfall Quantiles Confidence Interval Using Bayesian, Bootstrap and Profile Likelihood Methods</p> <p>Si CHEN (Hanyang University) Ji-Yae SHIN (Hanyang University) Tae-Woong KIM (Hanyang University) Hyun-Han KWON (Chonbuk National University)</p>
14:40-15:00	<p>Utilization of Vertical Vorticity Information with Doppler Velocity Observation into Judgment on the Prognostic Risk of Severe Storm's</p> <p>Eiichi NAKAKITA (Kyoto University) Ryuta NISHIWAKI (Kyoto University) Hiroyuki YAMABE (Tokyo Electric Power Company) Kosei YAMAGUCHI (Kyoto University)</p>
15:00-15:20	<p>Numerical Simulation and Evaluation of Hydrological Forecast System for Nan Basin in the North of Thailand</p> <p>Kamol Promasakha Na SAKOLNAKHON (Weather Forecast Bureau Thai Meteorological Department) Somkuan TONJAN (Weather Forecast Bureau Thai Meteorological Department) Tomohito YAMADA (Hokkaido University) Winai WANGPIMOOL (Ministry of Natural Resources and Environment)</p>
15:20-15:40	<p>A Kinematic Model to Estimate Effective Dose of Radioactive Substances in the Human Body</p> <p>Syota SASASKI (Chuo University) Hayase YONEDA (Chuo University) Tadashi YAMADA (Chuo University) Tomohito J. YAMADA (Hokkaido University)</p>

Sessions_Oral Presentations

20(Tue), August 14:00 - 15:40

B119 (Lecture Room #1)

Water Policy and Institutional Issues	
Chairs: Boosik Kang (Dankook University) and Tae Jin Kim (Korea University)	
14:00-14:20	<p>Hydro-Hegemonic Analysis on the Relationship between China and the Lower Mekong Countries</p> <p>Seungho LEE (Korea University) Seungji CHOI (Korea University)</p>
14:20-14:40	<p>Development of a Demand Oriented Water Quality Supply Service in Paddy Fields Irrigation</p> <p>Tasuku KATO (Tokyo University of Agriculture and Technology) Toshiaki IIDA (The University of Tokyo)</p>
14:40-15:00	<p>Water Quality Management for Agricultural Reservoirs in Gyeonggi - Province, Korea</p> <p>Mee Young SONG (Gyeonggi Research Institute) Eun Hui JO (Gyeonggi Research Institute)</p>
15:00-15:20	<p>Practical Responses to Climate Change: Developing National Water Policy and Implementation Plans for Pacific Small Island Countries</p> <p>Ian WHITE (Australian National University) Tony FALKLAND (Island Hydrology Services)</p>
15:20-15:40	<p>Multi-Stakeholder Mental Model Analysis of Malfunction Small-Scaled Water Resources Project in Thailand</p> <p>Piriya URAIWONG (Kochi University of Technology) Tsunemi WATANABE (Kochi University of Technology)</p>

Sessions_ Oral Presentations

20(Tue), August 14:00 - 15:40

B120 (Lecture Room #2)

Hydrology for Sustainability III	
Chairs: Gun Hui Chung (Hoseo University) and Hyun-Han Kwon (Chonbuk University)	
14:00-14:20	Regional Approach for Estimating Design Discharge at Ungauged Site in Pakistan Muhammad WASEEM (Hanyang University) Muhammad AJMAL (Hanyang University) Tae-Woong KIM (Hanyang University)
14:20-14:40	Comparative Analysis of Two Infiltration Models for Application in a Physically-Based Overland Flow Model Kristine Joy B. MALLARI (Korea University) Anya Catherine C. ARGUELLES (Korea University) Hwan Seok KIM (Korea University) Jae Young YOON (Korea University)
14:40-15:00	For Better Representation of Stream Flow Networks in DEMs Sanghoon SHIN (Korea University) Kyungrock PAIK (Korea University)
15:00-15:20	The Estimation of Soil Evaporation and Vegetation Transpiration for Yellow River Delta by Using an Operational Two-Layer Model Tingting LI (Tianjin University) Huang JINHUI (Tianjin University)
15:20-15:40	Sustainable Drainage System for Asian Cities New Options and an Integrated Approach Sukanya DASGUPTA (Centre for Built Environment) Santosh GHOSH (Centre for Built Environment)

Sessions_ Oral Presentations

20(Tue), August 16:00 - 17:20

B112 (Auditorium)

Climate Change Assessment and Water Management VII	
Chairs: Byung Sik Kim (Kangwon National University) and Jong-Suk Kim (University of Seoul)	
16:00-16:20	Climate Change Adaptation Planning to Cope with Uncertain Projection of Rainfall Increase Junichi YOSHITANI (Kyoto University)
16:20-16:40	Estimation of Snowfall Depth Considering RCP 4.5 Climate Change Scenario Yon Soo KIM (Inha University) Na Rae KANG (Inha University) Soo Jun KIM (Columbia University) Jong So LEE (Inha University) Hung Soo KIM (Inha University)
16:40-17:00	Impacts of the Changes in Climate and Vegetation on River Discharge in the Haihe River Basin of the North China Dawen YANG (Tsinghua University) Huimin LEI (Tsinghua University)
17:00-17:20	Climate Change Impact on Turbidity Current Regimes in Soyang Lake Using CE-QUAL-W2 and SWAT Modeling Rim HA (Konkuk University) So-Ra. AHN (Konkuk University) Jong-Yoon PARK (Konkuk University) Seong-Joon KIM (Konkuk University)

Sessions_Oral Presentations

20(Tue), August 16:00 - 17:20

B115 (Multimedia Room)

Water-Related Disasters and Hydrological Change VII	
Chairs: Anupam Khajuria (Tokyo Institute of Technology) and Tae-Woong Kim (Hanyang University)	
16:00-16:20	<p>3D Structure Characteristics of DSD Growth in Heavy Rainfall Comparing with C-band and X-band Polarimetric Radar Kosei YAMAGUCHI (Kyoto University) Chiho KIMPARA (Kyoto University) Eiichi NAKAKITA (Kyoto University)</p>
16:20-16:40	<p>Long-Term Water Balance Analysis Using Different Precipitation Products in Upper Chao Phraya River, Thailand Shunji KOTSUKI (Kyoto University) Kenji TANAKA (Kyoto University) Daisuke KOMORI (Tohoku University)</p>
16:40-17:00	<p>Climate Change Assessment & Projection for Hydrology in Korea Young Oh KIM (Seoul National University) Jae-Kyoung LEE (Seoul National University) Junhyeong PARK (Seoul National University)</p>
17:00-17:20	<p>Numerical Experiment of Sediment Transport in Joumine Reservoir, Tunisia Kakeru TAKAHIRA (Tokyo Institute of Technology) Mingyang WANG (Tokyo Institute of Technology) Tadaharu ISHIKAWA (Tokyo Institute of Technology) Mitsuteru IRIE (University of Tsukuba)</p>

Sessions_Oral Presentations

20(Tue), August 16:00 - 17:00

B119 (Lecture Room #1)

Climate Change Assessment and Water Management VIII	
Chairs: Dongkyun Kim (Hongik University) and Sungwon Kim (Dongyang University)	
16:00-16:20	<p>Coupling Watershed and Waterbody Hydrodynamic Using SWAT and CE-QUAL-W2 for Assessing Climate Change Impact on Water Quality of Chungju Lake So-Ra AHN (Konkuk University) Rim HA (Konkuk University) Sang-Ho KIM (Konkuk University) Seong-Joon KIM (Konkuk University)</p>
16:20-16:40	<p>DEM Analysis Tool with GD8 Method Won KIM (Korea University) Kyungrock PAIK (Korea University)</p>
16:40-17:00	<p>Analysis of Water Quality in a Reservoir under Climate Change Na Rae KANG (Inha University) Yon Soo KIM (Inha University), Jong So LEE (Inha University) Jae Won JUNG (Inha University), Jae Won KWAK (Inha University) Hung Soo KIM (Inha University)</p>

20(Tue), August 16:00 - 17:20

B120 (Lecture Room #2)

Hydrology for Sustainability IV	
Chairs: Seung Oh Lee (Korea University) and Doo Sun Kang (Kyung Hee University)	
16:00-16:20	<p>Use of APEX and SWAT for Assessing Conservation Effects in U.S. Croplands Jaehak JEONG (Texas A&M University System) Jeff G. ARNOLD (U.S. Department of Agriculture)</p>
16:20-16:40	<p>Dynamic Wave Study on the Dependence of Rating Curve Parameters on Basin Geographic Characteristics Dae-Hong KIM (University of Seoul)</p>
16:40-17:00	<p>Modeling Water Quantity and Hydrological Process in the Zhuozhang River Basin Using SWAT Xiaojuan LIN (Tianjin University) Jinhui HUANG (Tianjin University)</p>
17:00-17:20	<p>Response of Ocean Circulation Cycle to Induction from Abukuma River Outlet Josko TROSELJ (Kyoto University) Yosuke YAMASHIKI (Kyoto University) Kaoru TAKARA (Kyoto University)</p>