

Presentation Schedule

Session A1

Date & Time		August 24, 2012 (Friday) 16:10-17:40	
Room No.		ROOM1 (KIKU A)	
Session Title		Risk Communication and Education	
Chairperson		Ichiro YATSUZUKA, Kumamoto University	
No.	Author	Afiliation	Title
A1-1	Kenetsu UCHIDA	Hokkaido University	Effect of Disaster Warning Issuance Conditions on “Cry Wolf Syndrome” in the Case of a Landslide
A1-2	Junho CHOI	Kyoto University	Sharing Concerns Among Stakeholders as a Driver for Sustainable Risk Communication : Case study from a series of workshops in Muraida Community in Shiga Prefecture
A1-3	Ismo SALERTO	Fida International (NGO)	Materialization of International Agendas to the Grassroots
A1-4	Hideyuki SHIROSHITA	Kansai University	What Kind of Disaster Education Should be Explored?
A1-5	Glenn FERNANDEZ	Kyoto University	Youth Participation in Disaster Risk Reduction Through Science Clubs in the Philippines

Session A2

Date & Time		August 25, 2012 (Saturday) 10:20-11:50	
Room No.		ROOM1 (KIKU A)	
Session Title		Post Disaster	
Chairperson		Naoto TANAKA, Kumaoto University	
No.	Author	Afiliation	Title
A2-1	Mohamed HARRIS	Eastern University	Management of Man-Made Disaster on Fisheries After the 2004 Tsunami on the Batticaloa Lagoon, Sri Lanka
A2-2	Sandeeka MANNAKKAARA	University of Auckland	Building Back Better in Japan – Lessons from the Indian Ocean Tsunami experience in Sri Lanka
A2-3	Hector MARTIN	University of the West Indies	A Critical Review of Haiti Earthquake of 2010: Key Development Problems and Focused Solutions
A2-4	Naoto TANAKA	Kumamoto University	Regional Environmental Changes Around the 6.26 Deluge in the Minami-Aso Area
A2-5	John HAYES	Queensland University of Technology	Building Community Resilience – Learning from the 2011 Floods in Southeast Queensland, Australia

Session A3

Date & Time		August 25, 2012 (Saturday) 13:00-14:30	
Room No.		ROOM1 (KIKU A)	
Session Title		Disaster and Society	
Chairperson		Norio Okada, Kumamoto University	
No.	Author	Afiliation	Title
A3-1	Sachiko OHNO	Gifu University	Database Construction of Newspaper Article about Evacuation Behavior from Tsunami in the Great East Japan Earthquake
A3-2	Xuepeng QIAN	Ritsumeikan Asia Pacific University	Pairing Aid System in Disaster Relief and Recovery Management : Lessons from Wenchuan Earthquake in China
A3-3	Ahmed WAHID UDDIN	Kanazawa University	Investigation of People’s Response to Provided Evacuation Information at the Localized Torrential Heavy Rain in Japan: The Case of Asanogawa River Flood, 2008
A3-4	Ichiro YATSUZUKA	Kumamoto University	Emergence and Networking Process of Disaster Relief Volunteer Activities at the Great East Japan Earthquake in North Iwate Area
A3-5	Saman BANDARA	University of Moratuwa	People's Perceptions on Physical Elements of Pedestrian Infrastructure in Urban Flood Situations

Presentation Schedule

Session A4

Date & Time		August 25, 2012 (Saturday) 14:40-16:10	
Room No.		ROOM1 (KIKU A)	
Session Title		Tohoku Tsunami	
Chairperson		Hajime Mase, Kyoto University	
No.	Author	Afiliation	Title
A4-1	Mohammad Bagus ADITYAWAN	Tohoku University	The Effect of River Mouth Morphological Features on Tsunami Intrusion
A4-2	Chandana Dinesh PARAPE	Kyoto University	Automated Identification of Tsunami Induct Damaged Buildings From Airborne Imagery Using Extended Morphological Transformations
A4-3	Qihua LIANG	Newcastle University	DART – A Dynamically Adaptive High-Resolution Tsunami Model
A4-4	Masatoshi YUHI	Kanazawa University	A Numerical Simulation of Tsunami Propagation in the Middle Area of Japan Sea
A4-5	Hirohisa MIZUNO	Kashima Cooperation	Propagation Characteristics of the 2011 off the Pacific Coast of Tohoku Earthquake Tsunami around Kyushu Island

Session A5

Date & Time		August 25, 2012 (Saturday) 16:20-17:50	
Room No.		ROOM1 (KIKU A)	
Session Title		Analysis of Structural Damage (1)	
Chairperson		Taiji Mazda, Kumamoto University	
No.	Author	Afiliation	Title
A5-1	Thushara PRIYADARSHANA	University of Peradeniya	Variation in Cement Properties and Its Effect on Quality of Concrete
A5-2	Elif Cagda KANDEMIR	Kumamoto University	Simplified Approach to Nonlinear Viscous Damper Capacity
A5-3	Sui WEINING	Shenyang Jianzhu University	Nonlinear Finite Element Analysis of Steel Frame Connected with External Diaphragm Connection
A5-4	Tomohisa HAMAMOTO	Pacific Consultants Co.	Analytical Study of the Sheet Pile Quay Damaged by 2005 Fukuoka Earthquake
A5-5	Chung-Ru WANG	National Central University	Applying GUI for Analyzing Dynamic Signals from a Physical Earthquake Model

Session A6

Date & Time		August 26, 2012 (Sunday) 8:30-10:00	
Room No.		ROOM1 (KIKU A)	
Session Title		Analysis of Structural Damage (2)	
Chairperson		Toshitaka Yamao, Kumamoto University	
No.	Author	Afiliation	Title
A6-1	Wang ZHANFEI	Shenyang Jianzhu University	Study on Structural Properties of Steel Tubular Short Columns with Concrete-Filled
A6-2	A.M.A.C.S. BANDARA	University of Peradeniya	Sustainable Solution for Retrofitting of Bridges Damaged by Floods
A6-3	Tsuyoshi NAGASAWA	Pacific Consultants co.	Study of Structural Damages with Massive Geomorphic Change Due to Tsunami
A6-4	Jih-Jang HUANG	National Pingtung University	Comparative Study of Soil Erodibility Index for Taiwan Mountainous Area
A6-5	Chou-Fu LIANG	National Pingtung University	The Effects of Moisture Content of Recycled Incinerator Bottom Ash on Permeable MRC Mixing

Presentation Schedule

Session A7

Date & Time		August 26, 2012 (Sunday) 10:10-11:40	
Room No.		ROOM1 (KIKU A)	
Session Title		Storm and Coast	
Chairperson		Kenji Tanaka, Hiroshima Institute of Technology	
No.	Author	Afiliation	Title
A7-1	Niru NIRUPAMA	York University	Similarities and Differences in Tsunami and Storm Surge Mitigation
A7-2	Junichi NINOMIYA	Kyoto University	Hindcast of Storm Surge and Current due to Typhoon Melor (2009)
A7-3	Masayuki MATSUYAMA	Kanazawa University	Characteristics of Coastal Erosion on the Northern Kaetsu Coast, Ishikawa, Japan
A7-4	Kenji TANAKA	Hiroshima Institute of Technology	Toward the Prediction of Meteotsunamis Propagating over the East China Sea with Downscaling Approach
A7-5	Yu-Chieh LIN	National Pingtung University	The Variation of Sediment Discharge During Flood Period

Session B1

Date & Time		August 24, 2012 (Friday) 16:10-17:40	
Room No.		ROOM2 (KIKU B)	
Session Title		Living with Disaster	
Chairperson		Ryuji Kakimoto, Kumamoto University	
No.	Author	Afiliation	Title
B1-1	Nishara FERNANDO	University of Colombo	Living with Floods and Landslides: What do people exposed to floods and landslides think about relocation as a vulnerability reduction strategy? The Case of Rattota and Kolonnawa, Sri Lanka
B1-2	Ryuji KAKIMOTO	Kumamoto University	Dynamic Change of Flood Risk Curve by Flood Control and Land Use
B1-3	Chanist PRASERTBURANAKUL	Mahidol University	Topographical Change Monitoring for Susceptible Landslide Area Determination by Using Multi-Date Digital Terrain Model and LiDAR
B1-4	Xinyu JIANG	Kyoto University	Geo-Statistical Approach for Interpolation of Tsunami Height --- A Case Study on Tohoku Tsunami Event
B1-5	Kohji UNO	Kobe City College of Technology	Availability and Limitation of Software Countermeasures for Heavy Rain Disaster in Sayo Town, Hyogo Prefecture in August 2009

Session B2

Date & Time		August 25, 2012 (Saturday) 10:20-11:50	
Room No.		ROOM2 (KIKU B)	
Session Title		Resional Economics and Land-use	
Chairperson		Shoshi Mizokami, Kumamoto University	
No.	Author	Afiliation	Title
B2-1	Yasuhide OKUYAMA	University of Kitakyushu	Long-Run Effects of a Disaster: Structural Analysis
B2-2	Jayantha WITHANAARACHCHI	RMIT University	Traffic Impact Assessment and Land Use Development and Decision Making
B2-3	Pantip PIYATADSANANON	University of Salford	The Capability of Spatial Analysis in Planning the Accessibility for Hazard Community from Debris-Flow Events
B2-4	Shoshi Mizokami	Kumamoto University	Effect of Compact City on Energy Consumption: an Analysis Based on Urban structure
B2-5	Lijiao YANG	Kyoto University	Study on the Locations Planning of Material Storehouses for Flood Relief Activities

Presentation Schedule

Session B3

Date & Time		August 25, 2012 (Saturday) 13:00-14:30	
Room No.		ROOM2 (KIKU B)	
Session Title		Rehabilitation from Damage	
Chairperson		Ranjith Dissanayake, University of Peradeniya	
No.	Author	Afiliation	Title
B3-1	Zabihullah SADIQI	Queensland University	Rebuilding Housing after a Disaster: Factors for Failure
B3-2	Nishara FERNANDO	University of Colombo	Politics of Forced Relocation after 2004 Tsunami Disaster: The Case of Galle, Sri Lanka
B3-3	Yan CHANG	The University of Auckland	Analysis of Resource Availability for Post-earthquake Reconstruction in Christchurch, New Zealand
B3-4	David O'BRIEN	University of Melbourne	Stage Two and Beyond: Improving Residents' Capacity to Modify Reconstruction Agency Housing
B3-5	Elizabeth MALY	Kobe University	Toward People-centered Post-Disaster Housing Recovery in Tohoku: Learning from examples of transitional housing in Yogyakarta, Indonesia and Mississippi, United States

Session B4

Date & Time		August 25, 2012 (Saturday) 14:40-16:10	
Room No.		ROOM2 (KIKU B)	
Session Title		Sustainable Society	
Chairperson		Toshio Fujimi, Kumamoto University	
No.	Author	Afiliation	Title
B4-1	Zhila HOSSEININEZHAD	Shahid Beheshti University	Integrated Framework for Modeling of Critical Infrastructure Interdependency in Emergency Condition
B4-2	Paul BARNES	Queensland University of Technology	Modelling Resilience in a Water Supply System: Contrasting conditions of drought and flood
B4-3	Mojgan TAHERI Tafti	The University of Melbourne	Limitations of the Owner-Driven Model in Post-Disaster Housing Reconstruction in Urban Settlements
B4-4	Jing-Li FAN	Center for Energy and Environmental Policy Research	Electricity Demand Vulnerability to Climate Change in China: Evidence from a Sectoral Analysis
B4-5	Abhijeet DESHMUKH	Purdue University	A Framework for Enhancing Resilience of Community by Expediting Post Disaster Recovery

Session B5

Date & Time		August 25, 2012 (Saturday) 16:20-17:50	
Room No.		ROOM2 (KIKU B)	
Session Title		Evacuation and Simulation	
Chairperson		Seungjae LEE, University of Seoul	
No.	Author	Afiliation	Title
B5-1	Seungjae LEE	University of Seoul	An Evacuation Route Planning Based on Multi Agent Simulation
B5-2	Fumitaka KURAUCHI	Gifu University	Optimal Bimodal-evacuation Planning Model for Inland Flooding
B5-3	Masashi OKUSHIMA	The University of Tokushima	Traffic Simulation of Evacuation by Vehicle at the Outbreak of Tsunami in the Coastal Plain Area of the Local City
B5-4	K.MATSUO	Ministry of Land	Flood and Evacuation Simulations for Urban Flooding
B5-5	I TSOU	National Pingtung University	A Simulation Study for Flood Disaster Reduction by Detention Pond in Lin-Bian River Basin

Presentation Schedule

Session B6

Date & Time		August 26, 2012 (Sunday) 8:30-10:00	
Room No.		ROOM2 (KIKU B)	
Session Title		Risk assessment and Community	
Chairperson		Fumihiko Yamada, Kumamoto University	
No.	Author	Afiliation	Title
B6-1	Junqi ZHANG	The University of Hong Kong	Public-Private-People Partnerships (4P) for Disaster Preparedness, Mitigation and Post-disaster Reconstruction
B6-2	Nataina LUMMEN	Kumamoto University	Integrated Vulnerability and Risk Assessment : Case Study in Coastal Communities, Jamaica
B6-3	Kelum WICKRAMARATHNE	University of Moratuwa	Evaluating the Risk of Flooding to Transport Infrastructure using GIS Technology.
B6-4	Hwayoung KIM	Kumamoto University	Constructing a Sustainable Community: Developing Plan Context Indicators in Japan
B6-5	Toshio FUJIMI	Kumamoto University	Investigation on Factors to Bias Perceived Risk of House Destruction

Session B7

Date & Time		August 26, 2012 (Sunday) 10:10-11:40	
Room No.		ROOM2 (KIKU B)	
Session Title		Information System for Disaster	
Chairperson		S. C.Wirasinghe, University of Calgary	
No.	Author	Afiliation	Title
B7-1	Tatsuro TASHIRO	Kumamoto University	Flood Risk Curve Generation System with the Uncleaness of Estimating a Spatial Distribution of Land Use: An Utility Test through Caluclating the Flood Damage Each Reappearance Time at Kosen in Kumamoto City
B7-2	Tomoyuki FURUTANI	Keio University	A Study on a Platform to Scan the Earth Information Including Environmental Radiation in the Internet Society
B7-3	Samanthi W. DURAGE	University of Calgary	Analysis of the Tornado Detection, Warning and Communication System in Canada
B7-4	Mahito USUI	Mie University	Study on Fixing Safety Confirmation Using Information System in a Local Community
B7-5	Shigeru KAKUMOTO	Tokyo Institute of Technology	Information System for Supporting Safety and Comfortable Regions and Countries

Presentation Schedule (Korea-Taiwan-Japan Joint Seminar 2012)

Session KTJ1

Date & Time		August 25, 2012 (Saturday) 10:20-11:50	
Room No.		ROOM3 (ASAGAO)	
Session Title		Structures	
Chairpersons		Prof. Akira KASAI and Prof. Heui suk JANG	
No.	Author	Afiliation	Title
KTJ1-1	Toshio YAMAO	Kumamoto University	Investigation of structural behavior and stress distribution of stone arches
KTJ1-2	Heui Suk JANG	Bukyong National University	Concrete Shear Strength of Normal and Lightweight Concrete Beams Reinforced with FRP Bars
KTJ1-3	Yeong I GONG	Jungshin EnC Co., Ltd.	Multi-support excitation test of single-pylon cable-stayed bridge using shaking table
KTJ1-4	Hyosang HWANG	Korea Maritime University	A Study on Application of Mixed Girder in Steel Box Girder Bridge

Session KTJ2

Date & Time		August 25, 2012 (Saturday) 13:00-14:30	
Room No.		ROOM3 (ASAGAO)	
Session Title		Earthquakes and Numerical Technics	
Chairpersons		Prof. Toshio YAMAO and Prof. Sung woo MOON	
No.	Author	Afiliation	Title
KTJ2-1	Jian WU	Kyushu University	Application of back-propagation networks in debris flow runout estimation in the Wenchuan earthquake area
KTJ2-2	Guruh SAMODRA	Kyushu University	Spatial Pattern of Socio-economic Landslide Vulnerability and its Spatial Prediction by means of GIS-Fuzzy Logic in Kayangan Catchment Indonesia
KTJ2-3	Yingbin ZHANG	Kyushu University	Effects of vertical seismic force on the initiation of the Daguangbao landslide induced by the Wenchuan earthquake
KTJ2-4	Jae-Yun HWANG	Busan Metropolita Council	Key Block Analysis Method for Information Design and Construction Technology in Large Long Tunnels

Session KTJ3

Date & Time		August 25, 2012 (Saturday) 14:40-16:10	
Room No.		ROOM3 (ASAGAO)	
Session Title		Soil and GIS	
Chairpersons		Prof. Guangqi CHEN and Prof. Tae hyung KIM	
No.	Author	Afiliation	Title
KTJ3-1	Fan YANAN	Kyushu University	Geographical Information Analysis on the Causes of Collapse Initiation in Tohoku Earthquake
KTJ3-2	Dong-hyun PARK	Pusan National University	The Visualization by Analyzing the Relationship Between the Air Pollutants and Climatic Factors using GIS
KTJ3-3	MinAh LEE	Korea Maritime University	Mechanical Strength Characteristics of New Lightweight Soil
KTJ3-4	Jing-Wen CHEN	National Chen-Kung University	Liquefaction Resistance and Internal Erosion Potential of Non-Plastic Silty Sand

Session KTJ4

Date & Time		August 25, 2012 (Saturday) 16:20-17:50	
Room No.		ROOM3 (ASAGAO)	
Session Title		Sediment Disaster	
Chairpersons		Prof. Ryosuke KITAMURA and Prof. Kab soo KYUNG	
No.	Author	Afiliation	Title
KTJ4-1	Ryosuke KITAMURA	Kagoshima University	Prediction procedures for sediment disasters induced by heavy rain
KTJ4-2	Hong-Duk MOON	Gyeongnam National University of Science and Technology	The development of End-expanded soil nailing method for ground reinforcement and its applicability
KTJ4-3	Wen-Chi LAI	NCKU University	The Management of Mitigation and Reconstruction for the Hazardous Catchment Areas Caused by the 2009 Typhoon Morakot