

ORAL SESSIONS

The presenter of each paper should save 5 minutes for Q & A as well as for interim break.

June 24, 2013 (Monday)

Session A-1 : Water / Climate				
Chaired by : Igor S. Zektser & Chung-Ho Wang				
Time	#	Author	Paper Title	Page
10:40~ 11:05	A1-01	Igor S. Zektser*	The Experience of Study and Use of Groundwater for Reserve Water Supply of Cities in Emergency Situations (Natural and Technogenic Catastrophes)	71
11:05~ 11:25	A1-02	Da Ching Yang* Chih-Hua Chang,	Using Optical Properties and a Radioactive Transfer Model to Simulate the Color of Algal Blooming Water	5
11:25~ 11:45	A1-03	Hsiao-Lan Liu* Yuei-An Liou Tai-Sheng Wang Huang-Yu Wang	Pond and Water Resource in Taoyuan	4
11:45~ 12:05	A1-04	Chang-Ju Yu* Kwang-Woo Nam	Flood Area Typology Using an Inundation Trace Map : A Case Study of Metropolitan Busanpolitan City	35

Session B-1 : Societal Impacts / Health				
Chaired by : Choen Kim & Jinn-Guey Lay				
Time	#	Author	Paper Title	Page
10:40~ 11:05	B1-01	Victor V. Apollonov	New Approach for Space Debris Elimination	100
11:05~ 11:25	B1-02	Juhey Kim Sun Park*	Spatial Relations Between Vector Habitats, Human Residence and Malaria Incidence in Korea	55
11:25~ 11:45	B1-03	Hsiehchia Hsieh* Pei-Gin Hsieh	Growth, Population Stress, and Policy : Transformation Mechanism	1
11:40~ 12:05	B1-04	Kwang-Woo Nam* Jun-Ho Park Chang-Ju Yu	Establishment and Application of GIS-Based Regional Industry Information System	36

Session C-1 : Climate / Disasters				
Chaired by : Yuriy Kuleshov & Xin Li				
Time	#	Author	Paper Title	Page
10:40~ 11:05	C1-01	Yuriy Kuleshov* Fabrice Chane-Ming, Sue-Lynn Choy, Erjiang Fu, <i>et. al.</i>	Advancing Climate Studies in the Australasian Region using Space- and Ground-based GPS Techniques – an Overview of Recent Progress	79
11:05~ 11:25	C1-02	Hou Chang Chen* Nan-Jang Lo Wei-I Chang, Kai-Yi Huang	Sensitivity of Species Distribution Modeling to Change in Grain Size	21
11:25~ 11:45	C1-03	Hongtao Zhao * Qi Yuan, Dekai Wang Lianke Zhang, Yiming Ma	Mechanism of Mountainous Disaster Around Zhouqu County Town in Gansu and the Design of Hazards Monitoring and Warning System	84
11:45~ 12:05	C1-04	Mon-Shieh Yang* Ming-Chee Wu, Hao Lee	Vegetation Restoration Assessment Using LiDAR Surface Roughness	97

Session A-2 : Energy / Environment				
Chaired by : Hitoshi Mimura & Ching-Yuan Liu				
Time	#	Author	Paper Title	Page
15:00~ 15:25	A2-01	Hitoshi Mimura*	Decontamination of Cs and Sr in Fukushima NPP-1	93
15:25~ 15:45	A2-02	Tsuey-Lin Tsai * Chi-Chang Liu Chuan-Pin Lee, Gia-Luen Guo	Application of Environmental Radiation Monitoring for Nuclear Power Plant Using Atmospheric Dispersion Model	87
15:45~ 16:05	A2-03	Chi Chang Liu* Ming-Jen Lin, Jeng-Tsair Huang Ming-Chi Horng Ching-Chung Huang	Alternative Strategies For Environmental Laboratory Massive Samples Management After Nuclear Accident	46
16:05~ 16:25	A2-04	Chuan-Pin Lee* Ming-Chee Wu, Ching-Yuan Liu Chun-Hua Pan, Tsuey-Lin Tsai Hwa-Jou Wei, <i>et. al.</i>	A Comparative Study on HTO and Selenium Diffusion Behavior in Compacted Bentonite	69
16:25~ 16:45	A2-05	Gia-Luen Guo* Tsuey-Lin Tsai, Wen-Song Hwang Lee-Chung Men, Chuan-Pin Lee	Preliminary Recommendations on the Development of Bioenergy in Taiwan	94

Session B-2 : Agriculture / Climate				
Chaired by : Kiwon Lee & Yi-Hsing Tseng				
Time	#	Author	Paper Title	Page
15:00~ 15:25	B2-01	Yuriy Kuleshov* David Jones, Harry Hendon Andrew Charles Andrew Cottrill, <i>et. al.</i>	Seasonal Climate Prediction and Software Tools for the National Meteorological Services in the Pacific	80
15:25~ 15:45	B2-02	Chia Ping Chen* Chih-Hua Chang	Analysis of Temporal and Spatial Distribution Patterns of Landslides in Taiwan Catchment Reservoir During Past Years Using Formosat-2 Image And Landscape Metric	28
15:45~ 16:05	B2-03	Thanh Van Hoang* Tien Yin Chou, Van Thanh Do Minh Chung Nguyen Hai Bang Pham	Robust Agricultural Policies Alternatives of Vietnam Under Climate Change Impact	53
16:05~ 16:25	B2-04	Hui-Peng Chen* Kuan-Tsung Chang Wei-Chen Hsu, Jin-King Liu Feng- Chi Yu	Characterizing Land-Cover Type with LiDAR Full Waveform Pattern	63
16:25~ 16:45	B2-05	Hsiao-Wei Chen* Yen-Lan Liur, Yu-Pin Lin	Discussions on Eco-based Decision Making and Farmland Management	81

Session C-2 : Disasters / Ecosystem				
Chaired by : Yasushi Yamaguchi & Kai-Yi Huang				
Time	#	Author	Paper Title	Page
15:00~ 15:25	C2-01	Chung-Ho Wang* Chieh-Hung Chen Strong Wen, Ta-Kang Yeh	Frequency Characteristics of Groundwater Level Before Major Earthquakes in Taiwan	9
15:25~ 15:45	C2-02	Jie Dou* Takashi Oguchi Yuichi S. Hayakawa Shoichiro Uchiyama Hitoshi Saito,	Application of support vector machines to predict landslides based on LiDar DEM: a case study from Chuetsu earthquake, in Japan	40
15:45~ 16:05	C2-03	Fang Miao* Qi Yuan	A WebGIS-Based Information System for Monitoring and Warning Geological Disaster for the Lanzhou City, China	26
16:05~ 16:25	C2-04	Ayu Utami * Chih-Hua Chang	Integrating MODIS Imagery and GIS Data for the Emission Inventory of Biomass Open Burning in Southeast Asia	16
16:25~ 16:45	C2-05	Md. Hashibul Islam* Farzana Ahammad	Water Quality of Saint Martin's Island, Bangladesh	89

June 25, 2013 (Tuesday)

Session A-3 : Disasters / Climate				
Chaired by : Ching-Liang Tseng & Qingyun Duan				
Time	#	Author	Paper Title	Page
10:30~10:55	A3-01	Qingyun Duan* Wei Gong ,Chen Wang, Jianduo Li	Calibration of A Land Surface Model Using Multi-Flux Observations	70
10:55~11:15	A3-02	Jean-Pierre Barriot* Jonathan Serafini Lydie Sichoix	Estimating the 3D Time Variable Water Vapor Contents of the Troposphere From a Single GNSS Receiver	17
11:15~11:35	A3-03	Jianwen Guo* Qingsheng Shang Adan Wu, Feng Liu Hailong Chang, Jianxuan Li	Design and Implementation of Field Observation Data Automatic Assembling System	50
11:35~11:55	A3-04	Wei-Chen Hsu En-Kai Lin, Jin-King Liu* Yuei-An Liou,	Using GPS Continuous Stations, Monitoring Wells and Leveling Survey to Observe Land Subsidence of Yunlin County, Middle Taiwan	51
11:55~12:15	A3-05	John Harrison* Chih-Hua Chang	An Evaluation of Remotely Sensed Data Acquisition for the Application to a Landslide Susceptibility Index (LSI) Model in the District of Maolin, Taiwan	3

Session B-3 : Weather / Climate				
Chaired by : Wen-Cheng Liu & Quinhua Liu				
Time	#	Author	Paper Title	Page
10:30~10:55	B3-01	Qinhua Liu* Changin Ri, Hua Li Yongming Du	A Multi-Channel Algorithm to Retrieve Land Surface Temperature by Combining FY-3A VIRR and MERSI Data	65
10:55~11:15	B3-02	Rainer Sandau	The Impact of Small Satellites on Earth Observation Applications	101
11:15~11:35	B3-03	Tzu-Ping Lin* Yu-Cheng Chen, Kang-Ming Lu	Modeling the Urban Climatic Maps in Taichung City using GIS: an Initial Platform	47
11:35~11:55	B3-04	Yao Yu Chiang* Chun-Hao Tu, Nan-Jang Lo Kai-Yi Huang, Wei-I Chang	The development and performance of species distribution model in complex forest – a case study of <i>Castanopsis carlisii</i>	20
11:55~12:15	B3-05	Bonggeun Song* Kyunghun Park, Sookuk Park Yongseung Kim, Changwan Kim	Validation of Thermal Satellite Imagery with In-Situ Measurement Considering Complex Urban Characteristics	41

Session A-4 : Ocean / Climate				
Chaired by : Benny Peter & Ming-An Lee				
Time	#	Author	Paper Title	Page
13:30~ 13:55	A4-01	Vo Luong Hong Phuoc *	The Impact of Hydrodynamics in Coastal Mangrove Forests in Response to Sea Level Rise	77
13:55~ 14:15	A4-02	Yu-Jen Chung* Laurence Z.H. Chuang Ya-Ting Hu Wen-Chang Yang	The Doppler Signal of high-Frequency Radar for Vessel Detection	25
14:15~ 14:35	A4-03	Benny Peter * Mridula R. Kamaludin Omar Sahrum Ses	Mesoscale Surface Circulation Features of Northern South China Sea and Its Influence on Marine Environment	6
14:35~ 14:55	A4-04	Muslim Tadjuddah*	Analysis Biological Parameters of Grouper (Epinephelus sp) Based on Different Fishing Gears In Wakatobi Marine National Park, Southeast Sulawesi Province, Indonesia : A Case Study From The Coral Triangle	57
14:55~ 15:15	A4-05	Chen-Chih Lin* Chung-Ru Ho, Yu-Hsin Chen	Effects of Water Mass on Sea Level Rise in Tuvalu	22

Session B-4 : Ecosystems / Biodiversity				
Chaired by : No-wook Park & Tzu-Ping Lin				
Time	#	Author	Paper Title	Page
13:30~ 13:55	B4-01	Mingguo Ma* Yi Song Xiaoli Hu, Jianhua Wang	Study on the Ecological and Hydrological Benefits of the Comprehensive Control Projects in the Heihe River Basin	7
13:55~ 14:15	B4-02	Wei-Kai Lai Nan-Jang Lo* Wei-I Chang Kai-Yi Huang	Evaluating the spatial extrapolation by two types of species distribution models in forests of central Taiwan	19
14:15~ 14:35	B4-03	Lan-Lan Lee* Jerry Mills	The Quadruple Bottom Line for Environmental Responsibility	82
14:35~ 14:55	B4-04	Muhammad Al Bashir* Chih-Hua Chang	Monitoring the spatiotemporal trends of large scale tropical deforestation in Papua, Indonesia	23
14:55~ 15:15	B4-05	Yi-Hsien Lin* Nan-Jang Lo, Wei-I Chang Kai-Yi Huang	Reverse casting Taiwan red cypress distribution from topographic sheltering effects on Taiwan fir in Hohuan Mountain	18

Session A-5 : Disasters / Climate				
Chaired by : Roald G. Dzhamalov & Mingguo Ma				
Time	#	Author	Paper Title	Page
15:30~ 15:55	A5-01	Roald Dzhamalov*	Present-Day Water Resources of European Russia Under Affect of Unstable Climate	85
15:55~ 16:15	A5-02	Da-Ren Wen* Cin-Ty Lee Sun-Lin Chung	The Fluctuation of Continental arc Magmatism and Long-Term Seawater and Climate Changes: Insights From the Gangdese Arc, Southern Tibet	54
16:15~ 16:35	A5-03	Hsiu-Wen Wang* Chig-Tien Wang Chang-Jen Chu Jyun-Si Shie Kun-Shan Chen	An Integrated All-Weather Remote Sensing Information Service for Disaster Monitoring	67
16:35~ 16:55	A5-04	Soushi Kato* Tsuneo Matsunaga Ryosuke Nakamura Akihide Kamei	Interpretation of Terra/MODIS Mid and Thermal Infrared Data Over an Experimentally Burned Building	12

Session B-5 : Weather / Climate				
Chaired by : Victor V. Apollonov & Jean-Pierre BARRIOT				
Time	#	Author	Paper Title	Page
15:30~ 15:55	B5-01	Seul-Ong Kim Eun-A Cho Hye-Jin Jung Sun-Gu Lee Gab-Sue Jang*	Investigating Phenological Properties of Major Plant Species in Urban Forests for Vegetation Type Mapping	64
15:55~ 16:15	B5-02	Chun-Hsiang Kuo* Kuo-Liang Wen Che-Min Lin	Identifying Seismic Site Effects by Ambient Noise	29
16:15~ 16:35	B5-03	Yu-Wen Chen* Jui-Ping Tsai Liang-Cheng Chang Chung-Jung Chiang Chih-Chao Huang Jui-Er Chen	Applying the Gravity Variation Simulation on the Calibration of Specific Yield for Choshui Alluvial Fan	10
16:35~ 16:55	B5-04	Munkhzul Dorjsuren* Yuei-An Liou	Remote Sensing and Satellite Data Applications of Drought in Mongolia	83