ISRS2017 Poster Session 1 May 17 (Wed)

13:00-1	4:40
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TD4	First Author	Affiliation	Title
P1	III II	IZIOCM	D1
1 P-1 2 P-2	H.Han Kwangseok Kim	KIOST KIOST	Development and test plan of GOCI-II ground segment(G2GS)
	H. Yang	KIOST	Service for Operational Application of Geostationary Ocean Color Imager (GOCI)  A Statistical Method to Predict Meteorological Data for Real-time GOCI Data Processing
3 P-3 6 P-6	Y.Zhang	Nagoya Univesity	Validation and Improvement of MODIS Chl.a in Seto-Inland Sea
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7 P-7	J. Luang-on	Nagoya Univ.	Seasonal variation of MODIS chlorophyll-a in the upper Gulf of Thailand
8 P-8	Heung-Min Kim	Pukyong National University	Analysis of Red Tide Hot Spots by using GIS in Korea
10 P-10	T. Aoyama	Fukui University of Technology Instrument Technology Research	Validation of Extraction Methods of Marine Debris in the Sea of Japan Using Satellite Images
11 P-11	Long-Jeng Lee	Center, National Applied Research	The study of UV Effect on the Seagrass by Underwater Hyperspectral Image
		Laboratories. Taiwan Asia Air Survey Co., Ltd	
	S. Kakuta		Estimation of water depths from hyperspectral imagery in Yamada Bay, Northeastern Japan
13 P-13	H. Tan	TOKAI Univ.	An approach to accurately estimate the backscattering coefficients
14 P-14	R.Sugiyama	School of Marine Science and	Development and Application of Compact, Robust and Simple Multi-Wavelength Imaging Sensor for Coastal Ocean Color
		Technology, Tokai Univ.	Studies.
	M.Yang	Nagoya Univ.	An improved empirical MODIS chlorophyll-a algorithm for Ariake Sea, Japan
	S.H. Bak	Pukyong National University	A Study on the Change of Optical Properties of Sea Surface by Red Tide Occurrence
	E. Ariyasu	Asia Air Survey	Comparison of coral reefs mapping between visual interpretation of aerial photos and image processing of satellite image
18 P-18	Hideki Kobayashi	JAMSTEC	Development of the forest canopy 3D sun-induced chlorophyll florescence model
20 P-20	T. Kobayashi	JAXA	Preliminary research for the development of global land cover product using GCOM-C/SGLI data
22 P-22	S. Arjasakusuma	Nagoya University	Developing Long Term Complete Monthly NDVI Observation Datasets from Weekly STAR NESDIS AVHRR Data from 1982 to
	Wei Yang	Chiba University	Estimation of vegetation fractional coverage in semi-arid areas based on multi-spectral satellite images
24 P-24	A.Nonomura	Kagawa Univ.	Bamboo classification using multi-temporal LANDSAT-8 data in Kagawa prefecture, Japan
25 P-25	X. Zhou	Nagoya University	Distinguishing between Human-Induced and Climate-Driven Vegetation Dynamics in Inner Mongolia, China
	Y. Awaya	Gifu University	Monitoring leaf-out of deciduous forest using NDVI of Terra/MODIS between 2000 and 2011 over Gifu prefecture, Japan
	N. Ulloa	NCU	Multi-temporal analysis of Landsat images for deforestation susceptibility assessment in the Bosawas Biosphere Reserve
	K. Kurata	Nagoya Univ.	Combining spectral indices derived from ASTER data and topography from DEM by using the HSV color model
	R. N. Khairiah	Bogor Agricultural University	Understanding vegetation changes in Cidanau Watershed, Indonesia
	Soo Jeong Lee	KOREA UNIVERSITY	Suitability analysis for recovering urban forest
	J.Jung	Seoul National University	Damage mapping algorithm using temporal decorrelation model for multi-temporal UAVSAR data
	K. Kurimoto	Gifu University	Comparison of forest scattering model and ALOS-2/PALSAR-2 POLSAR data
	K. Inugai	Niigata Univ.	Experimental Study on a Crater Observation Using PolSAR
	Y.Isobe	Gifu University	Analysis of multi-path airborne POLSAR data
	T. Ishikuro	Niigata Univ.	Study on Effectiveness of Automobile Detection in Flooded Urban Area Using Quad-pol SAR Data
36 P-36	T. Asaka	Nihon University	Evaluation of ALOS-2/PALSAR-2 data for sandy beach shoreline detection
	J.H. Park	KIOST	An improved method of land masking for KOMPSAT-5 images using Sobel edge detection and electronic navigation chart
38 P-38		NICT	A study on measurement error of topography using cross-track interference SAR
	T. Kanda	Gifu University	Small-scale change detection from ALOS/PALSAR data
	K. Nemoto	PASCO Co.	Detection of the surface motion caused by landslides in InSAR imageries based on convolutional neural networks
		United Graduate School of	
41 P-41	D.A. Novresiandi	Agricultural Sciences Tottori	Seasonal analysis of tropical peatlands by using C-band and L-band dual-polarization SAR data
42 P-42	Dongok Kim	Seoul National University	A Soil Moisture Estimation Algorithm Using Combination of SAR and TIRS Sensors
	Takashi Nonaka	Nihon University	Evaluation of the tropospheric delay and solid earth tides of high-resolution X-band SAR sensors
44 P-44	T. Arai	NIES	Spectral Reflectance Dependence on the Solar Phase Angle and Grain Size of the Railroad Valley Playa for GOSAT/GOSAT-2
			Vicarious Calibration
	M. Asaki	Ibarai Univ.	Updates of cross-calibration results of ALOS-2/CIRC using GOES-14/Imager
	M. Asaki	Ibaraki Univ.	Time-series radiometric comparison of ASTER band 11 and Terra/MODIS band 29 in a low temperature range
	T. Kouyama	AIST	2nd ASTER lunar observation for evaluating its sensor sensitivity variations over 14 years
	N.Soyama	Tenri University	Differences between needle-leaves forest and broad-leaves forest from pseudo multidirectional observation data
	T.Shinohara	Pasco	DEVELOPMENT OF AUTOMATED CRACK DETECTION METHOD BASED ON CONVOLUTIONAL NEURAL NETWORKS
	H.L.Park	Chungbuk National Univ.	Pansharpening using the Correlation between Bands of Sentinel-2
	Kazuhiro Iwai	Shinshu University	Research on Use of GPS Data from Remote Controlled Observation System to Clarify the Actual Condition of Urban Climate
53 P-53	C.C. Cheng	Chinese Culture University	Application of remote sensing in investigating the effect of urban green space on net primary productivity

	First Author	Affiliation	Title		
P1	P1				
	NI IZitanata ama	Institute of Industrial Science, The	Comparison of Close-range Structure-from-Motion Model from Digital SLR and Lightweight Wearable Camera for Bridge		
	N.Kitratporn	University of Tokyo	Inspection in Myanmar		
55 P-55	S.Tanba	Hirosaki Univ.	Detection of the GCP for nighttime images obtained from Himawari-8/AHI sensor		
56 P-56	Youkyung Han	Kyungpook National University,	Translation estimation between VHR optical and SAR images using global and local phase correlation		
57 P-57	T. Yamada	National Institute of Technology,	Oharantia of Wathardania Danas adiafaa da aharan faatha aadia a		
		Fukushima College	Observation of Wetland using Drone and infrared camera for the environmental education		
70 D 70	Јае-Моо Нео	Korea Institute Ocean Science and	Practical Performance Analysis of CPU, GPU and Xeon-Phi in Atmospheric Correction Processing for the Geostationary Ocean		
58 P-58		Technology (KIOST)	Color Imager (GOCI)		
59 P-59	K.J. Cho	SNU	Soil condition analysis using a ground-based hyperspectral data for precision farming		
61 P-61	S. Pok	University of Tsukuba	Impervious cover changes in the Lower Mekong countries from 2001 to 2013		
62 P-62	K.D.P.P. Jayasinghe	Osaka City University	Identifying relationship between land surface temperature and changes of vegetation cover and built-up areas in Colombo, Sri		
63 P-63	J. W. Jang	KNU	Movement Monitoring of Estuary Sand Bar related with Tidal Inlet in Namdaecheon Stream using Landsat imagery		
		Instrument Technology Research			
64 P-64	Y.C. Lin	Center, National Applied Research	Integrated optomechanical design and analysis of an off-axis three mirror anastigmat telescope		
		Laboratories			
		Instrument Technology Research			
65 P-65	C.Y. Chan	Center, National Applied Research	Optimum design of bipod flexures on a large-aperure mirror for a space telescope under different environmental conditions		
		Laboratories			
66 P-66	Sora Mizutani	Kagawa University	Palm-size hyperspectral camera (total weight: 1.7[kg], wavelength: VIS, NIR and LWIR) for UAV and nanosatellite		
67 P-67	W.Yoon	Dept. of Geoinformatic Engineering,	Filtoning of 2D point aloud from IJAV images by years I density analysis		
67 1 - 67		Inha University	Filtering of 3D point cloud from UAV images by voxel density analysis		
68 P-68	T. Sakai	NIES	Synergy of upcoming sensors, HISUI, OCO-3, ECOSTRESS and GEDI, on-board the ISS		
69 P-69	K. Lee	KARI	KOMPSAT Data Tool for User		
70 P-70	B.Nishio	Nagoya Univ	Inter calibration of Radiance Calibrated Nighttime Lights and Quantification of urban dynamics in Southeast Asia		
71 P-71	T.A. Teo	NCTU	The extraction of indoor building information from OpenStreetMap		
72 P-72	H.H. Lien	Feng Chia University	Using BIM Technology to Enhance GIS Abilities in Landscape Architecture Design and Management		
73 P-73	H.SY.Jap	Feng Chia University	Emerging BIM model and game engine for giving real experience to general end-users		
74 D 74	Feng-Cheng Lin	GIS Research Center, Feng Chia	The architecture and implementation of citizen-probe for smart city		
74 P-74		University			
75 P-75	Jin-Tsong Hwang	NTPU	Building Model Reconstruction with TIR Images and Augmented Reality		
	D.J. Jhan	Dept. of Civil Engineering, National			
		Taiwan Univ.	Detection and Positioning of Moving Objects using Surveillance Cameras		
77 P-77	Kim Dong Han	Sejong University	Ship Detection From Landsat Imagery By Using Human Visual Attention System		

May 18 (Wed) 13:00-14:40 First Author Affiliation Title 1 P-78 Tsu-Chiang Lei Feng-Chia University A FRAMEWORK FOR BEST EVACUATION ROUTE MODEL OF FLOOD DISASTER 2 P-79 S.F. Wang The Resistance of Land Use to the Landslide under Different Rainfall Intensity NCUE CSRSR, National Central University. 3 P-80 Y.T. Chuang Examining the Accuracy of Image-derived Landslide Area and Landslide Volume Taoyuan City, Taiwan 4 P-81 Sung-Ho Chae An Improved SAR Offset Tracking Method to Measure Large Surface Deformations University of Seoul 5 P-82 Kei Sugiyama Nihon University Analysis of the flooded areas using MODIS visible and near-infrared reflectance data for the Great East Japan Earthquake 6 P-83 S. Kato Thermal anomaly monitoring of Sakurajima volcano using nighttime Landsat 8 OLI data 7 P-84 T. Sasaki Hachinohe Institute of Technology A simulation for volcanic gases with fewer amount using MODIS 8 P-85 Sung-Hwan Park University of Seoul Application of Landsat and ASTER thermal images to monitoring Cheonji lake at Baekdu mountain 9 P-86 L. J. Cobar University of Tsukuba Land Cover Mapping in an Urbanized Volcanic Area: Taal, Philippines 10 P-87 S.H. Chiang CSRSR An early warning test of typhoon-induced landslides in Taiwan 12 P-89 M.-K. Kim Yonsei Univ. Automatic extraction of ground point from TLS dataset of steep slopes Industrial Institute of Science The Vulnerability assessment in the unrest volcano based on time-series land surface deformation and GIS approach (case study at 13 P-90 Arliandy P. Arbad University of Tokyo Mt. Bromo-East Java) 15 P-92 S. J. Park Simulation of inundation hazard zone by large debris flow in Baekdu volcano using LAHARZ 16 P-93 F. Shimizu Hachinohe Institute of Technology Autmatic classification for damage situations of large-scale disasters using satellite remote sensing 17 P-94 YT. Jung An automated algorithm for flood detection using multispectral images SejongUniv. 18 P-95 Y. Oguro Hiroshima Institute of Technology A study on the compatibility of the brightness temperatures between Himawari-8/AHI and Landsat-8/TIRS in the Uwa sea of 19 P-96 Hye-Jin Woo Seoul National University Comparison of Sea Surface Temperature Algorithms using Geostationary Satellite Data Estimation of Sea Surface Currents in the Kuroshio Current Region from Infrared Images of Geostationary Satellite 20 P-97 Hee-Ae Kim Seoul National University Pukyong national university, 21 P-98 Do-Hyun Hwang Comparison of sea level variability from altimetry and tide gauges around Korea Division of Earth Environmental Validation of GOCI-derived Photosynthetically Available Radiation (PAR) using in-situ measurement from two ocean research 22 P-99 D.J.Hwang KIOST 23 P-100 Z.Wang Hiroshima University Sea surface temperature monitoring using satellite data in Seto Inland Sea 24 P-101 H.T.Lee Sea Surface Temperature Retrieval from VIIRS I-Bands in the Korean Coastal Regions Yonsei University 25 P-102 Hee-Young Kim Seoul National University Characteristics of Sea Surface Temperature Errors in the Northwest Pacific using Microwave Satellites 26 P-103 Suk Yoon1 KIOST/KOSC Error improvement of Cloud Detection Method for Sea Surface Temperature Products using TeraScan S/W Graduate School of Maritime 27 P-104 Yasuhiro Sugiyama Comparison of height correction algorithms for scatterometer-derived wind speed by considering atmospheric stability Sciences, Kobe University 28 P-105 C.YONEZAWA Tohoku Univ. Paddy rice field extraction from full polarimetric Pi-SAR-L2 data acquired at maturing stage 29 P-106 Wudabalaqiqige Ibaraki univ. Analysis of social and environmental issues caused by exploitation of center pivot in Alukeerqin Qi, Inner Mongolia Autonomous 30 P-107 D.J.Son Inha University Optimum Wavelength Region for Red Edge Band in Agriculture and Forestry Applications 31 P-108 K. Narkwiboonwong NCU Rice area mapping with time series analysis of Sentinel-1 SAR imagery in Ayutthaya province, Central Thailand JSPS Research Fellow (Graduate 32 P-109 A.Hama Rice monitoring and Yield Estimation Based on UAV Remote Sensing and Solar Radiation School of Science, Chiba University) 33 P-110 H.M.Nguyen Yonsei Univ. Web-based Crop Information System for South Korea Using Time-Series data from Remote Sensing 34 P-111 K. Kobayashi RESTEC Development and update of "SACLAJ" a multi-temporal ground truth dataset of land cover 35 P-112 S. Han KIU Parallel Implementation of k-means Clustering for Fast Image Classification 36 P-113 Hshin-Ping Wang Feng-Chia University The Study of Uncertainty Problems of Paddy Rice Field Classification by Different Classifications Program of Multiple Image. 37 P-114 Yusuke, Nishizawa Geomorphologic Classification of Colombia by Machine Learning with Digital Elevation Model Tokvo Tech 38 P-115 J. Yamamoto Application of deep learning to cloud discrimination for ASTER Level 1T imagery Ibaraki Univ. Department of Civil Engineering, 39 P-116 H. Sin-Yu BATHYMETRY MAPPING USING HIGH RESOLUTION SATELLITE STEREO-PAIR IMAGERY National Central University National Chengchi University--40 P-117 Li-Yun Tsai Planetary Rover Visualization Scheme Using Web Interface and Stereo Topography 41 P-118 M. Rodriguez University of Tokyo Construction of 3D Structures from Thermal Infrared Remote Sensing Data 42 P-119 S. Kim 3DLabs Co. Comparison of Surface Reconstruction Pipelines from Unstructured Point Clouds using Open Source 43 P-120 W.-Y. Deng National Cheng Kung University 3D Building Model Reconstruction from ALS Data Using Hybrid Approach 44 P-121 S. Sunako Nagova Univ. Quality assessment of UAV based DEMs derived from different platforms using the structure-from-motion technique

Developing 3D GIS platform for visualizing flood susceptibility

and land surface temperature

Land cover change and disaster risk appearing in old and new, many kinds of geospatial information at Kanto district, Japan

Applying air quality sensors and remotely sensed open data to explore the relationship between urban green areas, air quality

45 P-122 F. Tsai

46 P-123 K.Isobe

47 P-124 Y. C. CHANG

National Central University

Think Earth Science

Feng Chia University

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48 P-12	25 Y. Y. Xiao	Feng Chia Univ.	Exploring the relationship between urban heat island and surface environment in high density central cities	
49 P-12	26 Tanakorn Sritarapipat	The University of Tokyo	Estimation of Land Price in Yangon, Myanmar based on The Empirical Model using Remotely Sensed data	
	27 K.Sakata	Nagaoka University of Technology	A study on grasp of forest resources using reflection intensity data of airborne LiDAR	
	28 K. Yamamoto	Nagoya Univ.	Development of LiDAR data analysis system by canopy restoration analysis	
52 P-12	29 M.Bilguunmaa	Nagaoka University of Technology	An Estimation Method of a DSM in a Forested Area in summer from Dense UAV-LiDAR Data in Late Fall	
53 P-13	L.S. Chen	Dept. of Civil Engineering, National Taiwan Univ.	Integration of Digital Photogrammetry and Laser Scanning Technique for Generating High-Quality 3D Point Clouds	
55 P-13	Y. Kato	Fukui Univ. of Technology	Detection methods of Asian dust and PM2.5 by using MODIS data -Their applications to Asian dust events which aggravated Respiratory Symptoms in western Japan in May 2011-	
56 P-13	33 M. Yasumoto	Kindai Univ.	Effectiveness of near-UV data by satellite for detection/derivation of absorbing aerosols	
	84 S. Nagasaku	NIT Kisarazu College	Using a consumer-grade UAV for a broad-spatial scale estimation of the uncertainty in GNSS-based telemetry data	
	B5 H. Iida	Ibaraki Univ.	Measurement of carbon dioxide concentration using DOAS method in the human activity area in Ibaraki, Japan	
	86 Y. Sakuno	Hiroshima Univ.	Comparison of spectral reflectance and water quality in Lake Shinji, Lake Nakaumi of Japan, and Vaal Dam of South-Africa	
	Shin Totsuka	Akita University	Water Quality Estimation of Miharu Dam Reservoir by Fuzzy Regression Analysis Using Unmanned Aerial Vehicle Data	
	88 Kai Matsui	Akita University	Analysis of Water Quality Conditions by Fuzzy C-Means Using Terra ASTER DATA and Landsat-8 OLI Data	
62 P-13	39 Young-Joo Kwon	Sejong University	A scattering-based land rainfall retrieval algorithm using passive microwave sensor GCOM-W1/AMSR-2	
63 P-14	K.Okamoto	Prof. Emeritus at Tottori Univ. of Environmental Studies	TRMM Precipitation Radar	
64 P-14	1 DB. Hong	KIOST	Monitoring of sea ice around Wrangel Island using dual-polarized data from Sentinel-1 constellation	
65 P-14	12 Hoonyol Lee	Kangwon National University	Grounding line and hinge zone of Ross Ice Shelf, Antarctica, observed by DDInSAR	
	K. Ota	Graduate School of Environmental Studies, Nagoya University	Surface elevation change of glaciers revealed by digital elevation models using aerial photographs with SfM technique in Khumbu region, Nepal Himalaya, from the 1970s to 2016	
67 P-14	4 Kenta Ogawa	Rakuno Gakuen University	Initial Trials to Semi-Automated Counting Wild Birds on Water Surface Using UAV	
	O.Saito	Center for Disaster Prevention and Security, Ibaraki University	Performance investigation into latest ready-made UAV to use for disaster prevention	
	6 Yi-Hao Yan	NCCU	Study on higher-order ionospheric delays on the GPS relative positioning	
70 P-14	Y. S. Shiu	Feng Chia Univ.	Geovisualization for Crowdsourcing Data From Public Consensus and Supporting the Resilient Livable City	