	First Author	Affiliation	Title
A1 Climate Change Naoki Takagi (Shinshu Univ.)			
A-1	Y. Haruyama	RESTEC	GEOSS activities in Asia-Pacific
A-2	Gideon Serem	Shinshu University	Impacts of land cover change on temperature trends-an investigation of meteorological stations in Kenya-
A-3	T. Yamanokuchi	RESTEC	Observation of sudden discharge event of fast ice on Lutzow-Holm Bay by SAR data
A-4	Alimujiang Kasimu	Institute of Geographic Sciences and Tourism	Analysis on the change of the desertification area along the line of the Silk Road Economic Belt
B1 Forest Manabu Watanabe (Tokyo Denki Univ.)			
B-1	Manabu Watanabe	Tokyo Denki University	Early-stage deforestation areas observed with L-band (PALSAR-2) and C-band (Sentinel-1) SAR.
B-2	M. Hayashi	JAXA	ALOS-2/PALSAR-2 utilization for deforestation detection in JICA-JAXA Forest Early Warning System in the Tropics (JJ-FAST)
B-3	C. Koyama	Tokyo Denki University	Development of early deforestation detection algorithm (advanced) with PALSAR-2/ScanSAR for JICA-JAXA program (JJ-FAST) 2 – Analysis of precipitation effects on forest backscatter
B-4	H. Kamiya	IIS, The Univ. of Tokyo	Using multi-temporal Landsat images to create land use map in Northeast Thailand
B-5	A.Fujimoto	Osaka University	Application of UAV-SfM technique to estimate forest stand structure and biomass in Takayama, Japan
C1 Positioning, Navigation and Flow Simulation T.C. Lei (FCU)			
C-1	K. Won Jin	MJU	An Analysis of Optimal Indoor Positioning with BLE Beacons
C-2	C. Y. Fu	Dept. of Geomatics, NCKU	The Performance Analysis of Visual Odometry Based on Disparity Changing
C-3	Pei-Ting Li	Feng-Chia-University	Using the location-based social networks to discuss the flow characteristics
C-4	J.C. Chen	FCU	Agent-based Pedestrian Flow Simulation in Railway Station Hall During the Hoildays
D1 SAR Application Yoshio Yamaguchi (Niigata Univ.)			
D-1	D. Nakamata	Tokyo Denki University	Detection of the small-scale subsidence in the medium-scale residential area developed in 1970s using the time series SAR interferometry
D-2	M. Umemura	Niigata Univ.	New Six-Component Scattering Power Decomposition
D-3	Jeong-In Hwang	University of Seoul	An efficient ship detection method in SAR imagery based on filtering techniques
D-4	Y. Izumi	Chiba University, CEReS	Ground-based Circularly Polarized SAR Capability to a Rice Phenology Monitoring
D-5	Eungyeong Ryu	KIOST	Ship detection based on HH-VV phase difference using co-polarization TerraSAR-X SAR image
E1 Photogrammetry 1 Taejung Kim (Inha University)			
E-1	YP. Chang	National Taiwan Univ.	Simultaneously Determining Water Surface and Underwater Object Points through Rational Functional Model
E-2	K.-C. Lee	NTU	Study on Air-to-Water Photogrammetric Intersection Solving for Water Surface and Underwater Object Points
E-3	H. Nho	Yonsei University	A study on spatial information acquisition using heterogeneous sensor image fusion -focused on the waterside structure
E-4	S.W. Kuo	NCTU	The extended bundle adjustment for multiple kinect v2 sensors
E-5	C.Y. Chang	NCTU	The generation of 3D point clouds from multiple panorama images

		First Author	Affiliation	Title
A2	Land 1 Sungwook Hong (Sejong University)			
	A-5	Belay Manjur Gebru	KOREA UNIVERSITY	SPATIO-TEMPORAL ANALYSIS FOR QUANTIFYING AND PREDICTING THE DESERTIFICATION AND ITS EFFECT ON DRY AFROMONTANE FOREST IN NORTHERN ETHIOPIA
	A-6	Young-Joo Kwon	Sejong University	TVDI-based soil moisture retrieval algorithm using MODIS LST and NDVI products
	A-8	Y. Taniguchi	Nagasaki Univ.	Fractal Dimension Analysis for Debris Flow and NDWI Spatial Distribution Using UAV
B2	Feature Extraction C.H. Lin (NCKU)			
	B-6	M. Jung	Seoul National Univ.	Automatic GCP target extraction from UAS imagery
	B-7	Y. Li	PASCO Co.	R-CNN based Object Detection from MMS Imagery for Generation of Road Orthophotos
	B-8	T.F.Chiu	National Taiwan Univ.	Performance Comparison of Canny and Edge Drawing Operators in Edge Detection and Matching
C2	Mobile Mapping Y.H. Tseng (NCKU)			
	C-5	S. Chhatkuli	PASCO CORPORATION	Automated road markings extraction from mobile vehicle borne laser scanning data
	C-6	H. Lee	NCKU	MMS Street-level Image Dense Matching
	C-7	Ilsuk. Park	Yonsei Univ.	Development of MMS for automatic road facility mapping
D2	(Special Session) New Role of Aircraft Observation for Environmental Research Nobuhiro Takahashi (Nagoya Univ.)			
	D-6	N. Takahashi	ISEE, Nagoya University	Promotion of Scientific Research on Climate and Earth System Sciences Using Aircrafts
	D-7	M.Murakami	ISEE, MRI	In-situ Aircraft Measurements on CCN and Its Effect on Microphysical Structures of Shallow Warm Clouds over Western Japan
	D-8	K. Tsuboki	Institute for Space-Earth Environmental Research, Nagoya University	A research plan of typhoon observations using an aircraft
	D-9	S.kojima	NICT	Development of third generation polarimetric and interferometric X-band airborne synthetic aperture radar (Pi-SAR X3) system
E2	Photogrammetry 2 L.C. Chen (NCU)			
	E-6	P.Y. Chen	National Cheng Kung University	Space Intersection of Photogrammetric Mapping using the Portable Panoramic Image Mapping System (PPIMS)
	E-7	Zhao-Jie Lin	Department of Geomatics, No.1, Daxue Rd., East Dist., Tainan City 701, Taiwan (R.O.C.)	Comparing Essential Matrix and Coplanar Equations in Solving Relative Orientation of a pair of Stereo Images
	E-8	C.Y. Chen	NCCU	The Study of Image line features for Absolute Orientation of Vehicle-based Urban Image
	E-9	Kuan-Ting Lien	National Cheng Kung University	Accuracy Analysis of UAV Imagery Using RTK/PPK-assisted Aerial Triangulation

	First Author	Affiliation	Title
A3 Calibration Sendo Wang (National Taiwan Normal University)			
A-9	J.-W. Park	Nansen Environmental and Remote Sensing Center	Efficient thermal noise removal of Sentinel-1 extra wide swath mode product
A-10	M.C. Hsiao	Center for Space and Remote Sensing Research, National Central University, Taoyuan City, 32001,	The Absolute Radiometric Calibration of FORMOSAT-2 RSI Preparing for FORMOSAT-5
A-11	J.F. Ye	NCKU	A Preliminary Study on Wavelet-Based Camera Self-Calibration
A-12	M.L. Cheng	TOKYO TECH	Exploring differences between Japan geodetic datum 2000 and world geodetic system 1984 through image coordinate and exterior orientation parameters
B3 Data Fusion and Data Mining No-Wook Park (Inha University)			
B-9	N.T. Hoang	Kyoto Univ.	Preliminary simulation of airborne hyperspectral image from Landsat and ASTER images by a machine learning method
B-10	Y. Kim	Seoul National Univ.	Image Fusion Method for Data with Different Spectral Ranges
B-11	T.Sugimura	Nihon Univ.	Improvement of Himawari-8/AHI image quality by multiframe processing
B-12	Y. Kim	Inha Univ.	Impact analysis of errors in coarse scale satellite data on predictive performance of spatial downscaling
C3 Data Interoperability and Standards C.Y. Huang (NCU)			
C-8	C. Hsin-Hsien	Department of Civil Engineering, National Central University, Taiwan	An Automatic Registration Procedure for Sensor Web Plug and Play
C-9	Feng-Cheng Lin	GIS Research Center, Feng Chia University	The study and implementation of linked data mechanism for FORMOSAT-II historical imagery metadata in Taiwan
C-10	H.C. Chang	National Chengchi University	The Study of Compare Iteratively Reweighted Least Squares with Optimization Weight Matrix
D3 Natural Hazard 1 Masashi Matsuoka (Tokyo Institute of Technology)			
D-10	K. Takahashi	Tokyo Denki University	InSAR Detection of the Mt. Aso Volcanic Crater Activity at the event of Sept 14 2014 Eruption
D-11	D.Sango	PASCO	A Study and Verification for Surface Rupture Extraction Methodology by Combining DInSAR Results and Terrain Representation Images
D-13	P. THAMARUX	Tokyo Institute of Technology	The GIS database Analysis for Multi Natural Hazards Risk Estimation Web Application Development; a Focus on Startups in Thailand
E3 Photogrammetry 3 Jaehoon Jung (KIOST)			
E-10	C.C Yang	NCTU	Traffic sign board recognition from mobile mapping system using convolutional neural network
E-11	H. Kim	Dept. of Geoinformatic Engineering, Inha Univ.	Automated real-time road sign detection for GPS error correction based on an image sensor
E-12	J. Jeong	Inha Univ.	Photogrammetric Vehicle Localization with Traffic Signs for Autonomous Driving
E-13	Meng-Qian	Department of Geomatics, National Cheng Kung University	Preliminary Study of Image Matching and Registration among Multi-temporal Historical Aerial photographs

		First Author	Affiliation	Title
A4	Classification 1 Hyungsup Jung (University of Seoul)			
	A-13	Do Thi Hang	Osaka City Universty	A new approach of combined pixel- and object-based Fuzzy classifcation for LULC mapping
	A-14	H.S. Baik	KIGAM campus, University of Science & Technology	The investigation of Mineral Distribution at Lunar Granular Flow by Moon Mineralogy Mapper Hyperspectral Imagery and Iterative Error Analysis Spectral Unmixing Algorithm
	A-15	Sookyung Kwon	University of Seoul	Classification of Forest Vertical Structure Using Airborne Photos and Lidar data in Gongju, Lokrea
B4	Ocean 1 Yong Baek Son (KIOST)			
	B-13	S. I. Salem	The University of Tokyo	Evaluation of Chlorophyll Retrieval in a Complex Turbid Inland Lake Using MERIS 10-Year Mission
	B-14	Shin Jisun	Korea Ocean Satellite Center, Korea Institute of Ocean Science & Technology, KIOST-KMOU OST-	A study on detection accuracy of marine organism based on multi-sensor data
	B-15	G.S. Park	Korea Institute of Ocean Science & Technology	The Spatial-Temporal Variability of Changjiang Diluted Water using Satellite and Model data in East China Sea
	B-16	H. Kim	Pusan National Univ., KIOST	A new method for tracking internal waves using Geostationary Ocean Color Imager (GOCI)
C4	Atmospheric Correction Yoshikazu Iikura (Hirosaki Univ.)			
	C-11	H.S. Lee	Inha Univ.	Development of GOCI atmospheric correction algorithms for land applications
	C-12	P. Y. Tsou	NCTU	Cloud Component Removal for Shallow Water Depth Retrieval with Multi-spectral Satellite Imagery
	C-13	K. Ogata	JAXA/EORC	Spectral smoothness test for fractional cloud pixel screening in ocean color imagery under inter-band spatial separation
D4	Natural Hazard 2 Sang-Wan Kim (Sejong University)			
	D-14	Y. Choi	Yonsei University	Flood extent mapping using SAR imagery
	D-15	J. Lim	Sungkyunkwan Univ.	Delineating flood damaged areas by typhoon using multiple remote sensing and GIS-based model
	D-16	HJ. Jeon	Dept. of Civil and Environmental Engineering, Seoul National	Detection of flooded areas following the 2015 West Bengal floods using Landsat 8 and Kompsat 5 images
	D-17	Sudaryatno	UGM	The Use of Remote Sensing for Floods Disaster Mitigation in Kayan Watershed Kalimantan Utara Province
E4	Integration of Remote Sensing and GIS Y. A. Liou (National Central Univ.)			
	E-14	A.K. Nguyen	NCU	GIS framework for urban green spaces information system toward citizen’s science
	E-15	R. Tateishi	Chiba Univ.	Development of global-local datasets of environment/economy/society and their multi-temporal analysis for assessment of sustainability
	E-16	C. Song	Korea University	Desertification assessment using MEDALUS approach in Tunisia and Ethiopia
	E-17	I-Wen Chen	Department of Geomatics, National Cheng-Kung University	Establishment of Spatiotemporal Information of Chia-nan Irrigation System

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A5	Classification 2 Peter T.Y. Shih (NCTU)			
	A-16	R.Jaturapitpornchai	Tokyo Tech	Urban detection by using combination of SAR and nightlight data based on level set method
	A-17	Kai-Wen Hsiao	National Cheng Kung University	Using Object-based Image Analysis Method for Automatic Crack Detection of Bridge through UAV Imagery
	A-18	Zhi-Jia Wang	National Cheng Kung University, Taiwan	Pseudo Invariant Features Selection Using Multi-temporal and Multivariate Alternation Detection
	A-19	T.Y. Chen	National Chiao Tung University	On the Loading Factor of Red-edge Band
	A-20	G.H.Kwak	Inha Univ.	Semi-supervised learning for classification of crop areas in North Korea
B5	(Special Session) Geostationary Ocean Color Observation Wonkook Kim (KIOST)			
	B-17	Wonkook Kim	KIOST (Korea Institute of Ocean Science and Technology)	Updates in the Cal/Val Activities for GOCI Level 2 Products
	B-18	J. Jaehoon	Korea Institute of Ocean Science and Technology	STATUS AND IMPROVEMENT OF PRECISE GEOMETRIC CORRECTION ALGORITHM OF GEOSTATIONARY OCEAN COLOR IMAGER DATA
	B-19	E. Oh	KIOST	Stray light reduction algorithm of GOCI based on the on-ground test results
	B-20	S. Cho	KIOST	Current development status and performance characterization of the Next Geostationary Ocean Color Imager, GOCI-II
	B-21	J. Ishizaka	ISEE, Nagoya University	Analysis of Chlorophyll a Variability after the Passage of Typhoons in East China Sea in 2012 Observed by Geostationary Ocean Color and Ocean Circulation Reanalysis Data
C5	Atmosphere Hiroaki Kuze (Chiba Univ.)			
	C-14	S.-K.Shin	Research Institute for Radiation-Satellite	Aerosol classification with optical/microphysical properties derived from AERONET sun/sky radiometer data during high PM10 episodes at Gangneung, Korea
	C-15	T.M. Sun	Center for Space and Remote Sensing Research, National Central	Investigation of multi-pixel Himawari-8 observations in retrieving aerosol optical depth
	C-16	Jamrud Aminuddin	Center for Environmental Remote Sensing, Chiba University	Development of LED-DOAS system for observing aerosol extinction near the ground level
	C-17	Y. Iikura	Hirosaki Univ.	Simultaneous estimation of surface reflectance and aerosol optical depth for an evolving database of surface reflectance
D5	Natural Hazard 3 H. Miura (Hiroshima Univ.)			
	D-18	L.Chen	Tokyo Tech	Ground displacement detection by aerial-photographs-based DSM of the 2016 Kumamoto earthquakes
	D-19	W.-K., Baek	Dept. of Geoinformatics, University of Seoul, Korea	Precise Three-Dimensional Measurement of the 2016 Kumamoto earthquake deformations via Advanced SAR interferometry
	D-20	H.Zakeri	Chiba University	Damage classification of urban areas in the 2016 Kumamoto earthquake using texture measures from ALOS-2 PALSAR-2 images
	D-21	T. Goto	Hiroshima Univ.	Building Damage Detection from Optical Images based on Histogram Equalization and Texture Analysis following the 2016 Kumamoto, Japan Earthquake
	D-22	Luis Moya	International Research Institute of Disaster Science - IRIDeS, Tohoku University, Japan	Building damage mapping using change detection of ALOS-2 PALSAR-2 SAR images and strong ground motion data
E5	DEM T. Tadono (JAXA)			
	E-18	T. Tadono	JAXA	Validation of 30 m-mesh global digital surface model "AW3D30" version 1.1
	E-19	M.Ichikawa	NTT DATA	Evaluation of Vertical Accuracy of Digital Surface Model generated from WorldView-3 satellite imagery
	E-20	Zhi-Hua Lin	NCKU	Update Taiwan DSM by Reprocessing ALS Data Using Highest Returns
	E-21	H. Nagai	JAXA	Validation of global-and-free DEM datasets
	E-22	H.Y. Peng	National Central Univ.	Monitoring Temporal Variation of Kinmen Island Coastline by Multiple Satellite Imageries

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A6 Ecosystem Kanako Muramatsu (Nara Women's Univ.)			
A-21	MUCHSIN NUR W	Universitas Gadjah Mada, Faculty of Geography	Mangrove Structure Mapping Model using Sentinel 2A Satellite Imagery
A-22	Intan Elvira	UGM	Sea Turtle-Friendly Zonation Area, Case Studies Goa Cemara Beach, Yogyakarta, Indonesia
A-23	Kenji Kuriyama	Shizuoka Univ.	STAND-OFF MEASUREMENT OF SOLAR INDUCED FLUORESCENCE FROM VEGETATION CANOPIES: APPLICATION TO FIELD AND FOREST
A-24	B. Raychaudhuri	Department of Physics, Presidency University, Kolkata, INDIA	Solar-induced fluorescence retrieved at vegetated regions of AVIRIS-NG images for urban areas of Kolkata and Howrah in India
B6 (Secial Session) Recent Ocean and Lake Remote Sensing Yuji Sakuno (Hiroshima Univ.)			
B-22	Naeun Kim	KOSC/KIOST	Quantifying the Sargassum coverage within a pixel in the light of its submerged depth: a case study for the yellow sea with GOCI
B-23	H. Higa	Yokohama national university	A sulfur estimation method to capture blue tide distributions by satellite remote sensing in Tokyo Bay
B-24	M. Toratani	Tokai University	Estimation algorithm of total suspended matter concentration distribution from HIMAWARI-8 data
B-25	Y. Sakuno	Hiroshima Univ.	Feasibility study of salinity estimation in the river mouth using UAV with a portable spectrometer
B-26	M. Hayashi	Graduate School of Environmental Studies, Nagoya University (presently SCIENCE AND TECHNOLOGY CO., LTD.)	Time series analysis of chlorophyll-a concentration in Ise Bay, Japan using satellite ocean color remote sensing
C6 Water Resources K.S. Tseng (NCU)			
C-18	Y.W.Chou	National Chengchi University	Relationships between Landscape Change and Water Quality in the Lanyang River Watershed
C-19	K.T. Liu	National Central Univ.	Quantifying Water Variation in the Mekong River by Satellite Remote Sensing and Altimetry
C-20	Po Hung Shih	National Central Univ.	Using Historical MODIS Imageries and TRMM data to Improve Surface Water Detection in Bangladesh
C-21	Tran Thi An	University of Education, The University of Danang	Evaluation of Flood Hazard for Coastal Lowland in Central Vietnam Using Analytical Hierarchy Process (AHP)
D6 Natural Hazard 4 Chua Ming Yam (Chiba Univ.)			
D-23	J.H. Choi	Yonsei University	Evaluation of Building Stability in Seoul, Korea using PSInSAR Algorithm
D-24	W. Liu	Chiba University	Backscattering characteristics of bridges from high-resolution X-band SAR imagery
D-25	H.Kojima	Tokyo University of Science(TUS)	Sensitivity and reliability analysis of estimation procedures of unobserved trigger factor for landslide hazard mapping
D-27	Y. Aimaiti	Chiba University	Land surface deformation measurement by SAR interferometry using L-band and C-band data sets
E6 Urban 1 Atsuko Nonomura (Kagawa Univ.)			
E-24	Tzu-Kai Chou	National Chengchi	A Monument Digital Archive by Combining Geometics, Virtual Reality, Augment Reality--A Muzha Zhinan Temple Example--
E-25	M.Masumoto	Kagawa Univ.	Building coverage ratio estimation using ALOS/PALSAR and ALOS-2/PALSAR-2 data
E-26	Prakhar Misra	Institute of Industrial Science, The University of Tokyo	Digital surface model (DSM) datasets for built structure height estimation over Indian cities
E-27	Wei-Chieh Chang	Feng Chia University	A Digital Interactive Urban Planning Platform - Combine City Information Modeling and Augmented Reality Technology to Assist Planning, Design and Simulation

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A7	(Special Session) Application of Advanced Himawari-8 Imager (AHI) for Environment and Disaeter Monitoring Wataru Takeuchi (Univ. Tokyo)		
A-25	E. Nakazono	Institute of Industrial Science, the University of Tokyo	Characteristics of forest fires by Advanced HIMAWARI-8 Imager (AHI), using 2015 Indonesian peat fires
A-26	H. Ban	Sejong Univ.	A unique flood monitoring technique based on RGB composite imagery using Himawari-8 satellite observations
A-27	D. Kim	Dept. of Geoinformatics, University of Seoul, Korea	An Efficient Approach to Estimate Snow Depth from Himawari-8 Images
A-28	H. Hsuan-Chi	Department of Civil Engineering, National Central University, Taiwan	Spatio-Temporal Image Fusion for Atmospheric Properties using Landsat-8 and Himawari-8 Satellite Imagery
A-29	B. Purbantoro	Chiba University	Accuracy of Split Window Algorithm using Different Infrared Bands of Himawari-8 in Wet and Dry Season
B7	(Special Session) Advances in Remote Sensing of Ecosystem Structures and Functions Shin Nagai (JAMSTEC)		
B-27	S. Nagai	JAMSTEC	How to develop satellite remote-sensing for accurate observations in terrestrial ecosystems
B-28	Hiroki Mizuochi	University of Tsukuba	High-spatiotemporal estimation of evapotranspiration via satellite data fusion
B-29	J. Katagi	Tsukuba Univ.	Updates of JAXA high resolution LULC map in Japan.
B-30	T. Morozumi	Hokkaido Univ.	Subpixel vegetation cover estimating in permafrost landscape structures at Taiga-Tundra boundary of Eastern Siberian Lowland
B-31	Sungeun Cha	KOREA UNIVERSITY	SPATIAL DISTRIBUTION OF KOREAN OAK WILT DISEASE USING CLUSTER ANALYSIS
B-32	K.Kajiwara	CEReS, Chiba Univ.	Forest Canopy Structure Measurement Using LIDAR and SfM Technology
B-33	Woo-Kyun Lee	KOREA UNIVERSITY	ESTIMATING 3-DIMENSIONAL STRUCTURE OF FOREST RESOURCES USING DRONE-LIDAR IMAGES
C7	GNSS Application Ming Yang (NCKU)		
C-22	Sang-Ho Yeon	Semyung University	Technique on the Disaster Protection Monitoring of Construction Sites based on Spatial Information and GNSS/USN
C-23	Yu-Hsien Hsiung	National Chengchi	The Study of Establishing Horizontal Velocity and Deformation Model of Semi-Dynamic Datum in Taiwan Area
C-24	Feng-Yu Chu	National Cheng Kung University	Improved single-epoch GNSS real-time kinematic positioning in mid-low latitude regions under active ionospheric condition
C-25	Y.L. Chen	NCKU	The Strategy of GNSS/INS Integration for Land Vehicle Application in Urban Environment
C-26	Yih Jack Cheng	National Chengchi University	The Study of Geocenter Motion in Different Ocean Tide Loading Model
D7	Natural Hazard 5 S. Ogawa (Nagasaki Univ.)		
D-28	Arliandy P. Arbad	Industrial Institute of Science The University of Tokyo	Comparison SBAS-InSAR and TimeFun-InSAR Algorithm to Investigate Time-Series Land Deformation at Mt. Bromo Indonesia
D-30	M. K. Chung	Seoul National University	Estimation of wildfire temperature in Funny River, Alaska using nighttime Landsat 8 OLI/TIRS data
D-31	R. Bahri	Chiba University	Building damage detection in the 2010 Haiti earthquake using texture analysis of high-resolution SAR images
D-32	Bruno Adriano	International Research Institute of Disaster Science, Tohoku University	Damage mapping of built-up areas using full polarimetric PALSAR-2 SAR images following the 2016 Pedernales Earthquake, Ecuador
E7	Urban 2 Chulsoo Ye (Far East University)		
E-28	Hsin-Yu Kuo	National Cheng Kung University	Roof Boundary Extraction from True-Orthoimage and DSM Generated by Aerial images
E-29	Bo-Wei Su	National Cheng Kung University	Building Footprint Extraction from HRSI Derived DSM and Orthoimage
E-30	C.S. Ye	Far East University	A method for separating shadow and water in KOMPSAT-3A imagery
E-31	M.C. Hsieh	NCTU	Ontology-based framework for building from openstreetmap
E-32	K. Y. Chang	National Central Univ.	Semi-automatic generic textures matching for effective city model visualization

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A8	LIDAR T.A. Teo (NCTU)			
	A-30	L.C. Chan	NCCU	Least Squares Planar Roof Fitting From Airborne LiDAR Point Cloud Using Iteration With The Selected Weights
	A-31	J. Jung	Oregon state university	Automated process of indoor laser scanning data for production of as-built BIM
	A-32	H.M. Wu	NCTU	Land cover classification using multi-wavelength lidar system
B8	Ocean 2 Joji Ishizaka (Nagoya Univ.)			
	B-34	N. Ebuchi	Hokkaido University	Evaluation of improved sea surface wind products from AMSR2 on GCOM-W
	B-35	Y.Kim	SNU	LAYER STACK OF LANDSAT TIR IMAGES TO DETECT SUBMARINE GROUNDWATER DISCHARGE IN JEJU ISLAND
	B-36	P. Wicaksono	Department of Geographic Information Science, Faculty of Geography, Universitas Gadjah	Preliminary assessment of Sentinel-2A Multispectral Image and Unmanned Aerial Vehicle for mapping and validation of benthic habitats composition
	B-37	K.H. Tseng	National Central University, Taiwan	Shallow Water Bathymetry Estimated by Combined Photogrammetry and Multispectral Approaches
C8	Unmanned Vehicle Sooahm Rhee (3DLabs Corp.)			
	C-27	S. Qoyimah	National Cheng Kung University	A Preliminary Mapping Accuracy Assessment of UAV Photogrammetry
	C-28	J. Lee	Yonsei University	Human Detection and Location with low-cost stereo thermal cameras
	C-29	S. Rhee	3DLabs	Analysis for Stereoscopic Plotting Applicability of UAV Images
	C-30	Y.C. Wen-Chang	NCTU	UAV image quality assessment from PSF-derived feature
D8	Land 2 Jungho Im (Ulsan National Institute of Science and Technology)			
	D-33	J.W.Ma	Yonsei Univ.	Rice yield estimation for South Korea by Stacked Sparse AutoEncoders with Climatic and MODIS data
	D-34	S. Yoon	Yonsei Univ.	Estimation of rice paddy height from single-polarization TanDEM-X data by a modified Pol-InSAR method
	D-35	A. Sakuma	Ibaraki univ.	The detection and evaluation of unused agricultural land using Landsat-8 OLI and DEM in Kushiro River watershed, Japan
E8	Ice and Snow Kohei Cho (Tokai Univ.)			
	E-33	K.Cho	Tokai University	Importance of passive microwave remote sensing for sea ice monitoring
	E-34	K. Naoki	TRIC	Microwave brightness temperature change of multi-year ice around Syowa Station, Antarctica during melting season
	E-35	M.Matsumoto	PASCO Co.	Sea Ice Thickness Measurement in Brackish Lake by Ground Penetrating Radar
	E-36	H. Wakabayashi	Nihon University	Backscattering characteristics of ice on Lake Saroma observed by PI-SAR-L2

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A9	Classification 3 Akira Iwasaki (Univ. Tokyo)			
	A-34	K.S. Cheng	National Taiwan University	Reinterpreting confusion matrix for LULC classification assessment
	A-35	J.XIA	RCAST	Multi-source Remote Sensing Data Classification Based on Canonical Correlation Forests
	A-36	Jungho Im	Ulsan National Institute of Science and Technology	Paddy rice mapping through the fusion of multi-sensor satellite data
B9	Ocean 3 Eko Siswanto (JAMSTEC)			
	B-38	Young-Heon Jo	Pusan National University	An analysis of the Intrathermocline Ulleung Eddies in the East/Japan Sea
	B-39	J. Park	Pusan National University	Spatio-temporal pattern of phenology of chlorophyll in the Ross Sea Polynya (RSP) using multi-temporal MODIS data
	B-40	Min-Sun Lee	Seoul National University	Detection of red tides in the seas around Korea using high-frequency optical satellite data
	B-41	Young Baek Son	Korea Institute of Ocean Science & Technology (KIOST)	Tracing the sea surface warming effects on low-salinity water in the East China Sea using satellite and wave glider
	B-42	E. Siswanto	JAMSTEC	Pronounced southeastward dispersion of low salinity and high primary productivity water in the East China Sea in summer 2010
C9	(Special Session) ASTER Koki Iwao (AIST)			
	C-31	Y. Yamaguchi	Nagoya University	ASTER 17-year operation status and future activities
	C-32	K. Iwao	GSJ, AIST	One year after ASTER-VA release
	C-33	K. Obata	AIST	Evaluating radiometric calibration of ASTER VNIR band with reference to ETM+ using 17-year radiance data
	C-34	H.Takayama	J-spacesystems	“Space Business Court” ～ Present a New Service model on Web-site. ～
D9	Land 3 K. Kumagai (Setsunan Univ.)			
	D-36	K. Kumagai	Setsunan University	Role of the spatial continuity of vegetation distributions on a regional scale
	D-37	N.Hirose	NIT, Matsue College	Relationship between land surface emissivity and land hydrological variables
	D-38	A. Song	SNU	Measurement of soluble solids content of apple using hyperspectral imaging technique
	D-39	S.Sobue	JAXA	Asia Rice crop team (ASIA-RiCE) activity in GEO GLAM
	D-40	A. Fukushima	Kokusai Kogyo Co., LTD.	Pasture Monitoring and Management using Images of High Temporal Resolution Satellite for Dairy Farming Sector
E9	SAR Processing K. Ouchi (IHI Corp.)			
	E-37	K.Ouchi	IHI Corp.	Brewster angle damping and its implication as observed in co-polarization TerraSAR-X SAR images
	E-38	Josaphat Tetuko Sri Sumantyo	Chiba Univ.	Development of L Band Circularly Polarized SAR onboard Microsatellite
	E-39	Chua Ming Yam	CERES, Chiba University	FPGA-based Reconfigurable Chirp Generator for L-band UAV CP-SAR
	E-40	Jeongju Bae	KIOST	GPU-based Parallel Computing for Processing Sentinel-1 SAR Image