

ISRS 2018

		R1	R2	R3	R4	R5
9-May 2018 (Wed)	09:00-	Registration				
	10:00-11:40	Opening Ceremony & Plenary Session (Auditorium)				
	11:40-13:00	Lunch				
	13:00-14:20	KARI Special Session (KOMPSAT Applications)	OP (Oceanic Physics)	LA (Landslide)	OS (Optical Sensor)	
		P00202	P00229	P00037	P00183	
		P00156	P00019	P00151	P00248	
		P00240	P00176	P00230	P00127	
		P00153	P00041	P00220	P00244	
	P00078					
	14:20-15:20	Poster I				
15:20-16:40	ME Special Session (Advanced Environmental Management using Environmental Spatial Information and Remote Sensing)	OM I (Ocean & Ship Monitoring I)	EQ (Earthquake)	LF (Land - Forest)		
		P00144	P00261	P00214		
		P00247	P00085	P00139		
		P00141	P00010	P00086		
P00249	P00096	P00207				
16:40-17:00	Coffee Break					
17:00-18:20	DEM (Digital Elevation Model)	OM II (Ocean & Ship Monitoring II)	PI I (Pol & InSAR I)	WR (Water Resources)		
	P00011	P00126	P00257	P00258		
	P00189	P00137	P00263	P00059		
	P00196	P00204	P00033	P00212		
P00102	P00140	P00194	P00276			
18:20-	Banquet					
10-May 2018 (Thr)	09:00-10:20	PI II (Pol & InSAR II)	KIOST Special Session I (Operational Applications of GOCI)	PG I (Photogrammetry I)	LC I (Land - Crop & Environment)	AA (Atmosphere - Aerosol)
		P00217	P00205	P00034	P00149	P00134
		P00057	P00105	P00109	P00262	P00135
		P00253	P00215	P00166	P00235	P00089
	P00128	P00266	P00218	P00116	P00252	
	10:20-10:40	Coffee Break				
	10:40-12:00	K-water Workshop I (Advanced Technology for Satellite-based Water Resources Management I)	KIOST Special Session II (The Next Generation Ocean Color Sensor: GOCI-II)	PG II (Photogrammetry II)	LC II (Land - Crop)	
			P00233	P00072	P00065	
			P00191	P00195	P00123	
			P00182	P00177	P00073	
P00193	P00049	P00082				
12:00-13:20	Lunch					
13:20-14:20	Poster II					
14:20-15:40	K-water Workshop II (Advanced Technology for Satellite-based Water Resources Management II)	KIOST Special Session III (Coastal Ocean Remote Sensing: Algorithms & Applications)	PG III (Photogrammetry III)	DP I (Data Processing I)	GP (GNSS - Positioning)	
		P00107	P00259	P00121	P00054	
		P00143	P00069	P00022	P00064	
		P00154	P00239	P00097	P00227	
P00221	P00184	P00228	P00075			
15:40-16:00	Coffee Break					
16:00-17:40	IS (Ice & Snow)	KIOST Special Session IV (GOCI-II for Land & Atmospheric Applications)	PG IV (Photogrammetry IV)	DP II (Data Processing II)	GA (GIS Applications)	
	P00090	P00246	P00148	P00025	P00186	
	P00150	P00268	P00023	P00083	P00036	
	P00188	P00278	P00066	P00071	P00070	
	P00046	P00264	P00074	P00012	P00091	
P00125		P00028	P00260			
18:00-	Young Scholar's Night					
11-May 2018 (Fri)	09:00-10:20	LT (Land - Thermal)	OB (Oceanic Biology & Environment)	RA (Remote Sensing Applications)	UAV I (Unmanned Aerial Vehicle I)	
		P00287	P00185	P00047	P00098	
		P00021	P00088	P00132	P00076	
		P00250	P00243	P00161	P00110	
	P00111	P00209	P00271	P00283		
	10:20-10:40	Coffee Break				
	10:40-11:40	LS (Land - Soil)	IoT	AE (Atmosphere - Environment)	UAV II (Unmanned Aerial Vehicle II)	
		P00020	P00155	P00133	P00084	
		P00081	P00157	P00146	P00167	
	P00175	P00158	P00200	P00060		
11:40-13:30	Closing Ceremony (Auditorium)					
12:00-13:20	Lunch					

9-May (WED)

KARI Special Session (KOMPSAT Applications)
R1 13:00-14:20

- P00202 KOMPSAT IMAGERY APPLICATION STATUS**
Kwangjae Lee Korea Aerospace Research Institute
- P00156 AUTO-CALIBRATION METHOD OF KOMPSAT IMAGES - VERIFICATION AND COMPARATIVE EXPERIMENT -**
Kwan-Young oh Korea Aerospace Research Institute
- P00240 APPLICATION OF GEOPHYSICAL MODEL FUNCTION OF KOMPSAT-5 FOR SEA SURFACE WIND SPEED RETRIEVAL**
Jeong Heon Song HYPERSENSING
Dong Hyeon Yoon HYPERSENSING
- P00153 COMPARISON OF PIXEL-BASED AND OBJECT-BASED CLASSIFICATION RESULTS DEPENDING ON THE DIFFERENT SPATIAL RESOLUTION OF SATELLITE IMAGERY**
Jiyoon Moon Korea Aerospace Research Institute
Youn-soo Kim Korea Aerospace Research Institute
- P00078 AN APPLICATION OF MACHINE LEARNING TO SHIP DETECTION FROM X-BAND SAR IMAGES**
Jeong-In Hwang University of Seoul
Hyung-Sup Jung University of Seoul

ME Special Session (Advanced Environmental Management using Environmental Spatial Information and Remote Sensing)
R1 15:20-16:40

DEM (Digital Elevation Model)
R1 17:00-18:20

- P00011 AN AUTOMATED METHOD TO LOCATE DRAINAGE STRUCTURES IN DEM USING OPEN STREET MAP**
Nadeem Fareed National Cheng Kung University
Chi-Kuei Wang National Cheng Kung University
- P00189 PRELIMINARY STUDY ON THE SLOPE-CAUSED RELIABILITY OF AIRBORNE LIDAR DTM**
Pin-Jung Wu National Cheng Kung University
Jaan-Rong Tsay National Cheng Kung University
- P00196 DSM GENERATION BY COMBINATION OF GRID INTERPOLATION AND A 3D MESH MODEL**
Soohyeon Kim 3DLabs Co., Ltd.
Taejung Kim Inha University
- P00102 A STUDY ON DIGITAL WATERMARKING DEMS AND VECTOR MAPS**
Yu-Qian Guo National Cheng Kung University
Jaan-Rong Tsay National Cheng Kung University

OP (Oceanic Physics)
R2 13:00-14:20

- P00229 UTILIZATION OF SUBMESOSCALE-PERMITTING VELOCITY FIELD DERIVED FROM THE GEOSTATIONARY OCEAN COLOR IMAGER (GOCI)**
Jun Myoung Choi Korea Institute of Ocean Science and Technology
Wonkook Kim Korea Institute of Ocean Science and Technology
- P00019 IMPROVED TYPHOON INTENSITY RETRIEVAL OF ADVANCED DVORAK TECHNIQUE USING MICROWAVE SATELLITE OBSERVATION**
Sumin Ryu Sejong University
Sungwook Hong Sejong University
- P00176 HOURLY OBSERVED INTERNAL WAVES BY GEOSTATIONARY OCEAN COLOR IMAGERY IN THE EAST/JAPAN SEA**
Young-Heon Jo Pusan National University
Hyuna Kim Pusan National University
Young-Baek Son Korea Institute of Ocean Science and Technology
- P00041 SEA SURFACE TEMPERATURE ESTIMATION USING VIIRS IMAGERY BANDS AND A NUMERICAL FORECAST MODEL: A CASE STUDY IN THE COASTAL REGION OF KOREA**
Hongtak Lee Yonsei University
Wook Park Yonsei University
Joong-Sun Won Yonsei University

OM I (Ocean & Ship Monitoring I)
R2 15:20-16:40

- P00144 DETECTION OF EARLY OCCURRENCES OF GREEN TIDE IN THE WESTERN COASTAL REGIONS OF THE KOREAN PENINSULA**
Ahmed Harun-Al Rashid Korea Institute of Ocean Science and Technology
Chan-Su Yang Korea Institute of Ocean Science and Technology
- P00247 COMPARISON BETWEEN GROUND-RANGE VELOCITY COMPONENT OF OCEAN CURRENT BY ALONG-TRACK SAR INTERFEROMETRY AND CURRENT VELOCITY MODEL**
EUNGYEONG RYU Korea Institute of Ocean Science and Technology
Tae-Ho Kim Korea Institute of Ocean Science and Technology
Chan-Su Yang Korea Institute of Ocean Science and Technology
Kazuo Ouchi IHI Corporation
- P00141 OPERATIONAL SEA ICE MAPPING IN THE ARCTIC SEA ROUTE USING SATELLITE DATA**
Dan-Bee Hong Korea Institute of Ocean Science and Technology
Chan-Su Yang Korea Institute of Ocean Science and Technology
- P00249 A STUDY ON THE CHARACTERISTICS OF WATER TEMPERATURE USING INFRARED SENSOR AND IN-SITU DATA AT THE SOCHEONGCHO OCEAN RESEARCH STATION**
HANBIT LEE Korea Institute of Ocean Science and Technology
Chan-su Yang Korea Institute of Ocean Science and Technology

OM II (Ocean & Ship Monitoring II)
R2 17:00-18:20

- P00126 OIL SPILL RESPONSE TECHNIQUES USING SAR AND MARINE WEATHER DATA: OIL SLICKS TRACKING**

Tae-Ho Kim Korea University of Science and Technology / Korea Institute of Ocean Science and Technology
 Chan-Su Yang Korea University of Science and Technology / Korea Institute of Ocean Science and Technology / School of Ocean Science and Technology

P00137 SHIP DETECTION AND CLASSIFICATION BY TerraSAR-X IN TOKYO BAY, JAPAN AND ALBORAN SEA IN THE MEDITERRANEAN SEA: A SUMMARY

Kazuo Ouchi IHI Corporation
 G. M. Martin GMV Aerospace and Defense
 Chan-Su Yang Korea Institute of Ocean Science and Technology

P00204 MULTI-APERTURE ALONG-TRACK INTERFEROMETRIC (MAATI) SAR FOR VELOCITY VECTOR ESTIMATION OF OCEAN CURRENTS USING CONVENTIONAL ATI SAR DATA

Kazuo Ouchi IHI Corporation
 Takero Yoshida The University of Tokyo
 Chan-Su Yang Korea Institute of Ocean Science and Technology

P00140 APPLICATION OF TIME-DOMAIN NUMERICAL SIMULATION FOR MULTI-APERTURE ALONG-TRACK INTERFEROMETRIC SAR

Takero Yoshida The University of Tokyo
 Kazuo Ouchi IHI Corporation
 Chan-Su Yang Korea Institute of Ocean Science and Technology

**LA (Landslide)
 R3 13:00-14:20**

P00037 A SYNTHETIC APERTURE RADAR IMAGE-BASED CHANGE DETECTION METHOD FOR EVENT LANDSLIDES MAPPING

Shou Hao Chiang National Central University

P00151 COMPARISON OF POLARIMETRIC FEATURES FOR LANDSLIDE DETECTION

KeunHoo Cho Sejong University
 Sang-Eun Park Sejong University
 HyunJu Park Sejong University

P00230 MAPPING AND COMPARISON OF LANDSLIDE SUSCEPTIBILITY USING VARIOUS PROBABILISTIC MODELS OF IN JUMUNJIN-EUP, GANGWON-DO, KOREA

Sung-jae Park Kangwon National University
 Seul-Ki Lee Kangwon National University
 Jin-ah Eom Kangwon National University
 Saro Lee Korea Institute of Geoscience and Mineral Resources
 Chang-Wook Lee Kangwon National University

P00220 LANDSLIDE SUSCEPTIBILITY MAPPING BASED ON FREQUENCY RATIO (FR), EVIDENTIAL BELIEF FUNCTION (EBF), AND WEIGHT OF EVIDENCE (WOE) IN SACHONMYON AREA, SOUTH KOREA

Prima Riza Kadavi Kangwon National University
 Mutiara Syifa Kangwon National University
 Chang-Wook Lee Kangwon National University

**EQ (Earthquake)
 R3 15:20-16:40**

P00261 EARTHQUAKE INDUCED DAMAGE ASSESSMENT USING SENTINEL CONSTELLATION IN A MULTISENSOR APPROACH

Woohyun Jeon Seoul National University
 Yongil Kim Seoul National University

P00085 MW 5.4 POHANG EARTHQUAKE ON 15 NOVEMBER 2017 OBSERVED BY SENTINEL-1A/B SAR INTERFEROMETRY

Hoonyol Lee Kangwon National University
 Seok Goo Song Korea Institute of Geoscience and Mineral Resources
 Jung-Ho Park Korea Institute of Geoscience and Mineral Resources

P00010 PRELIMINARY INVESTIGATION FOR 2017 POHANG EARTHQUAKE LIQUEFACTION BY SENTINEL-2 MAPPING

Hyunseob Baik University of Science and Technology
 Kwang-Eun Kim Korea Institute of Geoscience and Mineral Resources

P00096 EXTRACTION OF BUILDING DAMAGE IN THE KUMAMOTO EARTHQUAKE FROM MULTI-TEMPORAL LIDAR AND PALSAR-2 DATA

Fumio Yamazaki Chiba University
 Luis Moya Tohoku University
 Wen Liu Chiba University

**PI I (Pol & InSAR I)
 R3 17:00-18:20**

P00257 GROUND DEFORMATION PATTERNS AT KRAKATOA VOLCANO FROM INSAR AND LOCAL SEISMIC TOMOGRAPHY ANALYSIS

A. P. Arbad Sumatera Institute of Technology
 W. Takeuchi The University of Tokyo
 Y. Aoki The University of Tokyo
 J. Mutiara Diponegoro University
 A. Ardy Lampung University

P00263 INTERFEROMETRIC SAR ANALYSIS IN VEGETATED AREA, A CASE STUDY

Peter Tian-Yuan Shih National Chiao Tung University
 Huijung Wang National Chiao Tung University
 Jyh-Jong Liao National Chiao Tung University
 Yii-Wen Pan National Chiao Tung University

P00033 EXTRACTION OF COLLAPSED BRIDGES DUE TO TSUNAMIS USING A POST-EVENT AIRBORNE FULL-POLARIMETRIC SAR IMAGE

Haruya Hirano Chiba University
 Fumio Yamazaki Chiba University
 Wen Liu Chiba University

P00194 POLARIMETRIC CALIBRATION OF SATELLITE SAR IMAGES

Dochul Yang Korea Aerospace Research Institute
 Jae-Min Shin Korea Aerospace Research Institute
 Sungjae Jung POSTECH
 Ino Choi POSTECH
 Sanghong Park Pukyong National University

**OS (Optical Sensor)
 R4 13:00-14:20**

P00183 THE PRELIMINARY STUDY ON OPTICAL-BASED SPEED ENFORCEMENT SYSTEM

Hsuan Yang National Taiwan University
 Jen-Jer Jaw National Taiwan University

- P00248 WATER SURFACE DETERMINATION THROUGH PHOTOGRAMMETRIC INTERSECTION EMPLOYING CONTROL INFORMATION**
 Kuan-Chen Lee National Taiwan University
 Jen-Jer Jaw National Taiwan University
- P00127 LEOP AND IOT PLANNING OF AMI INSTRUMENT ON GEO-KOMPSAT-2A**
 Kyoungwook Jin KARI
 Koon-Ho Yang KARI
- P00244 REMOTE SENSING OF GROUND-BASED AEROSOLS USING A FOUR-WAVELENGTH LED SYSTEM IN CHIBA, JAPAN**
 NOFEL LAGROSAS CHIBA UNIVERISTY
 SHINICHIRO OKUDE CHIBA UNIVERISTY
 JAMRUD AMINUDDIN CHIBA UNIVERISTY
 HIROAKI KUZE CHIBA UNIVERISTY

LF (Land - Forest)
R4 15:20-16:40

- P00214 DROUGHT MONITORING OF FRAGMENTED FOREST LANDSCAPE USING INTEGRATING MODIS AND TRMM DATA: IMPLICATION FOR FOREST RESTORATION AND MANAGEMENT IN NORTHERN ETHIOPIA**
 Belay Manjur Gebru Korea University
 Woo-Kyun Lee Korea University
 Asia Khamzina Korea University
 Mitiku Haile Mekelle University Department of Land Resources Management and Environmental Protection
- P00139 EVALUATION OF FBI(FIRE BURN INDEX) FOR SENTINEL-2 IMAGES**
 Soo-Jin Lee Pukyong national university
 Yang-Won Lee Pukyong national university
- P00086 FOREST MAPPING USING ANN FROM TOPOGRAPHY-NORMALIZED LANDSAT-8 IMAGERY**
 SOOKYUNG KWON University of Seoul
 Hyung-Sup Jung University of Seoul
- P00207 ESTIMATING THE BIOMASS BY COMBINE HIGH RESOLUTION AERIAL IMAGERY AND SHADOW FRACTION METHOD**
 Yi-Ta Hsieh National Pingtung University of Science and Technology
 Jan-Chang Chen National Pingtung University of Science and Technology
 Chaur-Tzuhn Chen National Pingtung University of Science and Technology

WR (Water Resources)
R4 17:00-18:20

- P00258 WATER BODY EXTRACTION FROM SENTINEL-1 DATA WITH STATISTICAL MODEL ESTIMATED USING SENTINEL-2 DATA**
 Minyoung Jung Seoul National University
 Yeji Kim Seoul National University
 Yongil Kim Seoul National University
- P00059 DETECTION OF GLOBAL IRRIGATION REGION FROM SATELLITE AND ASSIMILATION SOIL MOISTURE DATASETS**
 Muhammad Zohaib Sungkyunkwan University
 Jeahwan Jeong Sungkyunkwan University
 Nguyen Hoang Hai Sungkyunkwan University
 Seongkeun Cho Sungkyunkwan University
 Minha Choi Sungkyunkwan University
- P00212 IMPROVING FOREST EVAPOTRANSPIRATION BASED ON ROUGHNESS PARAMETERIZATION OF THE SURFACE ENERGY BALANCE SYSTEM (SEBS) IN NORTH AND SOUTHEAST ASIA**
 Umar Waqas Liaqat Sungkyunkwan University
 Michael Timothy Sungkyunkwan University
 Daeun Kim Sungkyunkwan University
 Muhammad Umair Sungkyunkwan University
 Fitria Ressay Sungkyunkwan University
 Minha Choi Sungkyunkwan University
- P00276 APPLICATIONS OF NASA GSFC'S LAND INFORMATION SYSTEM (LIS) FOR LAND DATA ASSIMILATION SYSTEMS IN KOREA, KLDAS AND EAST-ASIA ALDAS**
 Do-Hyuk Kang NASA
 Eui-Ho Hwang K-water
 Hahn Chul Jung NASA
 Edward Kim NASA
 Christa D. Peters-Lidard NASA
 Yeosang Yoon NASA
 HyoSok Chae K-water

PI II (Pol & InSAR II)
R1 09:00-10:20

- P00217 ASSESSING THE IMPACT OF COASTAL SUBSIDENCE ON SEA LEVEL MONITORING STATIONS LOCATED IN SOUTH KOREA**
 SURESH KRISHNAN PALANISAMY VADIVEL Seoul National University
 Duk-jin Kim Seoul National University
 Jungkyo Jung Seoul National University
 Yang-ki Cho Seoul National University
- P00057 MAPPING PROGRESSIVE LAND SUBSIDENCE IN URAYASU CITY, JAPAN, BASED ON MULTI-TEMPORAL DINSAR APPROACH**
 Yusupujiang Aimaite Chiba University
 Fumio Yamazaki Chiba University
 Wen Liu Chiba university
- P00253 USING SENTINEL-1 TOPS SAR AND SBAS FOR LAND SUBSIDENCE MONITORING IN HANOI, VIETNAM**
 Minh Nguyen National Central University
 Chung-Pai Chang National Central University
 Kuo-Hsin Tseng National Central University
- P00128 SURFACE DEFORMATION DETECTION BY EARTHQUAKE USING SAR DATA: CASE STUDY FOR 6TH NORTH KOREA NUCLEAR TEST AND POHANG EARTHQUAKE IN 2017**
 Won-jin Lee Korea Meteorological Administration
 Jongsun Sun Korea Meteorological Administration
 Sun-Cheon Park Korea Meteorological Administration
 Duk Kee Lee Korea Meteorological Administration
 Hyung-Sup Jung University of Seoul

K-water Workshop I (Advanced Technology for Satellite-based Water Resources Management I)
R1 10:40-12:00

Is (Ice & Snow)
R1 16:00-17:40

- P00090 PROGRESSIVE SURFACE DEPRESSION OF AN ICE RUMPLE IN THWAITES ICE SHELF DERIVED BY HIGH-RESOLUTION DIGITAL ELEVATION MODELS**
 Seung Hee Kim Seoul National University
 Duk-jin Kim Seoul National University
- P00150 MORNTORING OF THERMOKARST TERRAIN USING OPTICAL AND SAR DATA: A CASE STUDY OF CENTRAL YAKUTIA, SIBERIA**
 Yoon Taek Jung Sejong University
 Sang-Eun Park Sejong University
 Chang-Sun Baek Sejong University
 Dong-Hwan Kim Sejong University
- P00188 PREDICTION OF MONTHLY ARCTIC SEA ICE CONCENTRATION**
 Young Jun Kim UNIST
 Daehyun Han UNIST
 Sanggyun Lee UNIST
 Junggho Im UNIST
- P00046 NEW TECHNIQUE FOR BLACK ICE DETECTION USING GPS REFLECTANCE SIGNALS**
 Young-joon Kwon Sejong University
 Sungwook Hong Sejong University
- P00125 ESTIMATING WINTER ROAD SURFACE CONDITIONS OF ALBERTA'S HIGHWAY NETWORK USING KRIGING WITH EXTERNAL DRIFT**
 Lian Gu University of Alberta
 Tae J. Kwon University of Alberta

KIOST Special Session I (Operational Applications of GOCI)
R2 09:00-10:20

- P00205 IMPROVEMENT OF OPERATIONAL GOCI ATMOSPHERIC CORRECTION ALGORITHM AND ITS VALIDATION**
 Jae-Hyun Ahn Korea Institute of Ocean Science and Technology
 Young-Je Park Korea Institute of Ocean Science and Technology
 Wonkook Kim Korea Institute of Ocean Science and Technology
 Boram Lee Korea Institute of Ocean Science and Technology / Sejong University
- P00105 DEVELOPING GOCI SEA FOG DETECTION ALGORITHM THROUGH COMBINATION WITH HIMAWARI-8**
 Myung-Sook Park KIOST
 Donghee Kim KIOST
 Young-Je Park KIOST
 Wonkook Kim KIOST
- P00215 GOCI YONSEI AEROSOL RETRIEVAL VERSION 2 PRODUCTS: 7 YEARS LONG-TERM ANALYSIS**
 Myungje Choi Yonsei University
 Jhoon Kim Yonsei University
 Jaehwa Lee NASA Goddard Space Flight Center,
 Seoyoung Lee Yonsei University
- P00266 ROUTINE MONITORING OF FLOATING SARGASSUM IN THE ECS AND YS USING GOCI IMAGES**
 Young-je Park Korea Institute of Ocean Science and Technology
 Kwangseok Kim Korea Institute of Ocean Science and Technology
 Sangsoo Bae Korea Institute of Ocean Science and Technology
 Seongick Cho Korea Institute of Ocean Science and Technology
 Jeong-Eon Moon Korea Institute of Ocean Science and Technology
 Tai-Hyun Han Korea Institute of Ocean Science and Technology
 Wonkook Kim Korea Institute of Ocean Science and Technology

KIOST Special Session II (The Next Generation Ocean Color Sensor: GOCI-II)
R2 10:40-12:00

- P00233 GOCI-II MISSION & OPERATION PLAN**
 KIBEOM AHN Korea Institute of Ocean Science and Technology
 Seongick CHO Korea Institute of Ocean Science and Technology
 YoungJe Park Korea Institute of Ocean Science and Technology

P00191 THE CURRENT DEVELOPMENT AND VERIFICATION STATUS OF GOCI-II (GEOSTATIONARY OCEAN COLOR IMAGER 2) ON GEO-KOMPSAT-2

Sang-Soon Yong	Korea Aerospace Research Institute
Sung-Yong Cha	Korea Aerospace Research Institute
Gmsil Kang	Korea Aerospace Research Institute
Heong-Pal Heo	Korea Aerospace Research Institute

P00182 CURRENT STATUS OF GOCI-II GROUND SEGMENT (G2GS) SYSTEM DEVELOPMENT

Hee-Jeong Han	Korea Institute of Ocean Science and Technology
Jae-Moo Heo	Korea Institute of Ocean Science and Technology
Hyun Yang	Korea Institute of Ocean Science and Technology
Seongick Cho	Korea Institute of Ocean Science and Technology
Sunghee Kwak	Satrec Initiative Co. Ltd
Taekyung Lee	Satrec Initiative Co. Ltd
Youngje Park	Korea Institute of Ocean Science and Technology

P00193 ASSESSING OCEAN COLOR ALGORITHMS FOR GOCI-II USING SYNTHETIC DATA

Wonkook Kim	Korea Institute of Ocean Science and Technology
Jae-Hyun Ahn	Korea Institute of Ocean Science and Technology
Boram Lee	Sejong University
Young-Je Park	Korea Institute of Ocean Science and Technology

KIOST Special Session III (Coastal Ocean Remote Sensing: Algorithms & Applications)

R2 14:20-15:40

P00107 HABITAT SUITABILITY INDEX CALCULATION FOR CHUB MACKEREL (SCOMBER JAPONICUS) IN THE SOUTH SEA OF SOUTH KOREA

Dabin Lee	Pusan National University
Wonkook Kim	Korea Institute of Ocean Science and Technology
SeungHyun Son	CIRA
Sang Heon Lee	Pusan National University

P00143 ANALYSIS OF MATCHING SUCCESS RATE ACCORDING TO LANDMARK CHIP SPECIFICATIONS FOR GOCI GEOMETRIC CORRECTION

Jonghwan Son	Inha University
Han-Gyeol Kim	3DLabs Co., Ltd.
Taejung Kim	Inha University

P00154 A UNIQUE CLOUD DETECTION ALGORITHM USING GOCI-II BANDS

Hyun-Ju Ban	Sejong University
Sungwook Hong	Sejong University

P00221 ESTIMATE SEA SURFACE SALINITY DISTRIBUTION FROM THE CHANGJIANG RIVER PLUME USING ARTIFICIAL NEURAL NETWORK

Dae-won Kim	Pusan National University
Young-Heon Jo	Pusan National University
Ji-Yeon Baek	Pusan National University

KIOST Special Session IV (GOCI-II for Land & Atmospheric Applications)

R2 16:00-17:20

P00246 DEVELOPMENT OF GOCI-II AEROSOL RETRIEVAL ALGORITHM: INFORMATION CONTENT ANALYSIS AND HIGH-RESOLUTION MAPPING

Seoyoung Lee	Yonsei University
Myungje Choi	Yonsei University
Jhoon Kim	Yonsei University

P00268 DEVELOPMENT OF THE SURFACE REFLECTANCE RETRIEVAL ALGORITHM FOR THE NEXT GENERATION GEOSTATIONARY OCEAN COLOR SENSOR DATA

Kwonho Lee	Gangneung-Wonju National University(GWNU)
Wonkook Kim	Korea Institute of Ocean Science and Technology

P00278 MAPPING OF LAND COVER MAP IN NORTHEAST ASIA: USING GOCI DATA

Sanghun Son	Pukyong National University
Soyoung Park	Pukyong National University
Seonghyeok Lee	Pukyong National University
Jinsoo Kim	Pukyong National University

P00264 RETRIEVAL OF VEGETATION INDEX THROUGHOUT BRDF MODELING USING GOCI

Sungwon Choi	Pukyong national University
Kyeong-sang Lee	Pukyong national University
Minji Seo	Pukyong national University
Donghyun Jin	Pukyong national University
Eunkyung Lee	Pukyong national University
Hyeon-Gyeong Han	Pukyong national University
Kyung-Soo Han	Pukyong national University

PG I (Photogrammetry I)

R3 09:00-10:20

P00034 AUTOMATIC RELATIVE ORIENTATION OF IMAGE PAIRS WITH ESSENTIAL MATRIX

Chao-Chieh Lin	National Cheng Kung University
Yi-Hsing Tseng	National Cheng Kung University

P00109 ACCURACY ANALYSIS OF THREE-DIMENSIONAL MODEL RECONSTRUCTED BY SPHERICAL VIDEO IMAGES

Muhammad Irsyadi Firdaus	National Cheng Kung University
Jiann Yeou Rau	National Cheng Kung University

P00166 POSITIONING IMPROVEMENT OF MOBILE MAPPING SYSTEM BY BUNDLE ADJUSTMENT AND SHADOW MATCHING

Cian You Zhou	National Cheng Kung University
Rey Jer You	National Cheng Kung University
Su Wei Lin	National Cheng Kung University

P00218 COMPARATIVE ANALYSIS OF POINT CLOUD GENERATION FROM UAV IMAGES USING VARIOUS COMMERCIAL AND PUBLIC SOFTWARE

PyungChae Lim	Inha University
Taejung Kim	Inha University

PG II (Photogrammetry II)

R3 10:40-12:00

P00072 IMAGE STITCHING AND AERIAL TRIANGULATION ACCURAY ANALYSIS FROM A THREE CAMERA IMAGING SYSTEM EQUIPPED BY AN UAS

Wei-Che Li	National Cheng Kung university
Jyun-Ping Jhan	National Cheng Kung university
Jiann-Yeou Rau	National Cheng Kung university
Wen-Long Chung	Carbon-Based Technology Inc

P00195 BUNDLE ADJUSTMENT OF KOMPSAT-3A STRIP IMAGES BASED ON RATIONAL FUNCTION MODEL

Wansang Yoon	Inha University
Taejung Kim	Inha University

P00177 DEVELOPMENT OF INCREMENTAL BUNDLE ADJUSTMENT FOR UAV IMAGES WITHOUT ORIENTATION ANGLES

Sooahm Rhee 3DLabs Co., Ltd.
Taejung Kim Inha University

P00049 MONITORING TOPOGRAPHIC CHANGES OF GULLY NETWORKS ON A MUDSTONE BADLAND TERRACE USING UAV AND CLOSE-RANGE PHOTOGRAMMETRY

Yi-chin Chen National Changhua University of Education
Su-Feng Wang National Changhua University of Education
Chao-Jung Chiang National Changhua University of Education
Cing-Jia Lin National Changhua University of Education

**PG III (Photogrammetry III)
R3 14:20-15:40**

P00259 LINE FEATURE-BASED POSE ESTIMATION FOR BACKPACK-MOUNTED INDOOR MAPPING SYSTEM

Minkyung Chung Seoul National University
Changjae Kim Myongji University
Kanghyeok Choi Seoul National University
Yongil Kim Seoul National University

P00069 ACCURACY EVALUATION OF REAL-TIME VISUAL ODOMETRY USING ZED STEREO CAMERA

Pin-Xu Chen National Cheng Kung University
Jiann-Yeou Rau National Cheng Kung University

P00239 DEVELOPMENT OF STEREO VISUAL ODOMETRY BASED ON PHOTOGRAMMETRIC POSE ESTIMATION

Sung-Joo Yoon Inha University
Taejung Kim Inha University

P00184 EXPRESSING IMAGE DISTORTION FIELD BY WAVELET ADDITIONAL PARAMETERS

Jun-Fu Ye National Cheng Kung University
Jaan-Rong Tsay National Cheng Kung University

**PG IV (Photogrammetry IV)
R3 16:00-17:40**

P00148 ADAPTIVE ENHANCEMENT FOR SATELLITE IMAGE MATCHING

I-Chen TSAI National Cheng Kung University
Yi-Chen Chen National Cheng Kung University
Yi-Hsing Tseng National Cheng Kung University
Li-Hsueh Chang National Space Organization, NARLAB
Shin-Chia Peng National Space Organization, NARLAB
Chao-Hung Lin National Cheng Kung University

P00023 ANALYTICAL COARSE TO FINE IMAGE REGISTRATION OF MULTI-TEMPORAL HISTORICAL AERIAL PHOTOGRAPHS

Meng Qian Shen National Cheng Kung University
Yi Hsing Tseng National Cheng Kung University

P00066 GEOREFERENCING AND STITCHING OF HISTORICAL MAPS: THE 1904 TAIWAN BAOTU

Ya-Chu Chang National Cheng Kung University
Yi-Hsing Tseng National Cheng Kung University

P00074 GENERATING ORTHOIMAGE FROM DIFFERENT GROUND SAMPLE DISTANCE WITH MATCHING ALGORITHMS

Junsu Bae Yonsei University
Yoonjo Choi Yonsei University
Jisang Lee Yonsei University
Suhong Yoo Yonsei University
Hong-Gyoo Sohn Yonsei University

P00028 INTEGRATING PARAMETRIC AND MESH MODELS FOR COMPLICATED BUILDING STRUCTURES

Ms. Yu-Wei Lin National Central University
Prof. Fuan Tsai National Central University

**LC I (Land - Crop & Environment)
R4 09:00-10:20**

P00149 CROP YIELD PREDICTION MODELING WITH ARTIFICIAL INTELLIGENCE METHODS IN MIDWEST US

Nari Kim Pukyong National University
Yang-Won Lee Pukyong National University

P00262 YIELD ESTIMATION OF PADDY RICE BASED ON SATELLITE IMAGERY AND LOCAL MODEL WITH GEOGRAPHICALLY WEIGHTED REGRESSION

Yi-Shiang Shiu Feng Chia University

P00235 DEVELOPMENT OF SUPERIOR MERGED EVAPOTRANSPIRATION PRODUCT BY USING SIMPLE TAYLOR SKILL FUSION METHOD ACROSS AUSTRALIA

Muhammad Sarfraz Khan Sungkyunkwan University
Jongjin Baik Sungkyunkwan University
Hao Yuefeng Sungkyunkwan University
Bui Xuan Khoa Sungkyunkwan University
Minha Choi Sungkyunkwan University

P00116 INVESTIGATION OF LAND SURFACE PROPERTIES AND CLOUD CHARACTERISTICS IN INDONESIA

Jeddah Yanti National Central University
Chian-Yi Liu National Central University

**LC II (Land - Crop)
R4 10:40-12:00**

P00065 UTILIZING UAS IMAGES TO CLASSIFY MIXTURE CROP TYPES IN TAIWAN SLOPE AREAS

Re-Yang Lee Feng Chia University
Deng-Yuan Ou Feng Chia University
Chia-Hui Hsu Feng Chia University

P00123 USING PAST LAND-COVER MAPS AND UNCERTAINTY INFORMATION FOR SELF-LEARNING BASED EARLY SEASON CROP MAPPING?

Yeseul Kim Inha University
Chan-Won Park RDA
Kyung-do Lee RDA
Sang-Il Na RDA
No-Wook Park Inha University

P00073 ESTIMATION OF GLOBAL CROP CALENDAR AND INTENSITY USING THE MODIS NDVI TIME SERIES FROM 2001 TO 2015

Anjar Dimara Sakti The University of Tokyo

Wataru TAKEUCHI

The University of Tokyo

P00082 CROP CALENDAR MAPPING FOR AWD ASSESSMENT OVER BANGLADESH WITH MODIS TIME SERIES FROM 2001-2016

Md Rahedul Islam
Wataru Takeuchi

University of Tokyo
University of Tokyo

DP I (Data Processing I)

R4 14:20-15:40

P00121 IMPACT OF NEW INFORMATIVE TRAINING DATA ON CLASSIFICATION PERFORMANCE IN SEMI-SUPERVISED LEARNING

Geun-Ho Kwak
Chan-won Park
Kyung-do Lee
Sang-il Na
No-Wook Park

Inha University
RDA
RDA
RDA
Inha University

P00022 A STOCHASTIC MULTISPECTRAL IMAGES SIMULATION APPROACH AND ITS APPLICATIONS IN REMOTE SENSING

Ke-Sheng Cheng
Yu-Ting Fan

National Taiwan University
National Taiwan University

P00097 AUTOMATIC IDENTIFICATION OF ALTERATION MINERALS FROM THEIR SPECTRAL REFLECTANCE PATTERNS BY USING THE DEEP LEARNING METHOD

Soichiro TANAKA
Hideo TSURU
Kazuaki SOMENO
Yasushi YAMAGUCHI

Nagoya University
Research Institute of Systems Planning, Inc
Research Institute of Systems Planning, Inc
Nagoya University

P00228 CLASSIFICATION MODEL USING UNMIXING AND SEGMENTATION TECHNIQUES FOR HYPERSPECTRAL IMAGE PROCESSING

Yeji Kim
Yongil Kim

Seoul National University
Seoul National University

DP II (Data Processing II)

R4 16:00-17:40

P00025 DEVELOPMENT OF PHENOLOGICAL OBSERVATIONS BY INTEGRATING REMOTE SENSING AND CITIZEN SCIENCE

Shin Nagai
Taku M Saitoh
Kenlo Nishida Nasahara

Japan Agency for Marine-Earth Science and Technology
Gifu University
University of Tsukuba

P00083 ASSESSMENT OF SOLAR PV POWER POTENTIAL OVER ASIA PACIFIC REGION WITH AH18

Jeark Principe
Wataru Takeuchi

The University of Tokyo
The University of Tokyo

P00071 SEMANTIC SEGMENTATION OF BRIDGE DETERIORATION DETECTION USING FULLY CONVOLUTIONAL NETWORKS

Kuan-Ting Lien
Jiann-Yeou Rau
Jui-Lin Wang

National Cheng Kung University
National Cheng Kung University
China Engineering Consultants, Inc.

P00012 PERFORMANCE EVALUATION OF A PAAS-BASED CLOUD APPLICATION WITH SATELLITE IMAGE PROCESSING FUNCTIONALITIES

Kwangseob Kim
Kiwon Lee

Hansung University
Hansung University

P00260 LOCAL CLIMATE ZONE CLASSIFICATION USING REMOTE SENSING IMAGES WITH CONVOLUTIONAL NEURAL NETWORKS

Cheolhee Yoo
Daehyeon Han
Jungho Im

Ulsan National Institute of Science and Technology
Ulsan National Institute of Science and Technology
Ulsan National Institute of Science and Technology

AA (Atmosphere - Aerosol)

R5 09:00-10:20

P00134 ESTIMATING GROUND-LEVEL PARTICULATE MATTER ONCENTRATIONS USING SATELLITE-DERIVED AEROSOL OPTICAL DEPTH

Seohui Park
Minso Shin
Jungho Im
Yong Jun Kim
Eunna Jang
Daehyeon Han

Ulsan National Institute of Science and Technology
Ulsan National Institute of Science and Technology
Ulsan National Institute of Science and Technology
Ulsan National Institute of Science and Technology
Ulsan National Institute of Science and Technology
Ulsan National Institute of Science and Technology

P00135 ESTIMATION OF NEAR-SURFACE RELATIVE HUMIDITY USING MACHINE LEARNING APPROACHES

Haemi Park
Jungho Im
Cheolhee Yoo
Junghee Lee
Seongmun Shim

Ulsan National Institute of Science and Technology
Ulsan National Institute of Science and Technology
Ulsan National Institute of Science and Technology
Ulsan National Institute of Science and Technology
Ulsan National Institute of Science and Technology

P00089 REAL TIME RETRIEVAL OF ATMOSPHERIC AEROSOL OPTICAL PROPERTIES BY CONCURRENT OBSERVATION OF SAMPLING INSTRUMENTS AND VISIBILITY METER

Jamrud Aminuddin
Shin'ichiro Okude
Nofel Lagrosas
Naohiro Manago
Hiroaki Kuze

Chiba University
Chiba University
Chiba University
Chiba University
Chiba University

P00252 CHARACTERIZATION OF AEROSOL OPTICAL PROPERTIES NEAR THE GROUND LEVEL USING A PLAN POSITION INDICATOR (PPI) LIDAR AND A VISIBILITY METER

Prane Mariel Ong
Tatsuo Shiina
Nofel Lagrosas
Hiroaki Kuze

Chiba University
Chiba University
Chiba University
Chiba University

GP (GNSS - Positioning)

R5 14:20-15:40

P00054 THE STUDY OF THE ESTIMATION OF GEOCENTER MOTION USING SLR AND GPS

Yih Jack Cheng
Fang-shii Ning
Yi-shan Li

National Chengchi University
National Chengchi University
National Defense University

P00064 GIS/GNSS AND USN/IOT APPLICATION FOR CONSTRUCTION DEFORMATION PREVENTION

SANGHO YEON
JONGSOO Kim

Semyung University
Semyung University

P00227 THE IMPACT OF GPS+BDS RELATIVE POSITIONING ON GEODETIC MONITORING AND CONTROL SURVEY

Ming Yang
Dai-Yu Wu

National Cheng Kung University
National Cheng Kung University

P00075 DEVELOPING MOBILE DEVICE BASED PEDESTRIAN DEAD RECKONING SYSTEM AS AN INDOOR NAVIGATION
Ying Hsuan Wang Yonsei University
Namhoon Kim Yonsei University
Sangpil Kim Yonsei University
Hong-Gyoo Sohn Yonsei University

GA (GIS Applications)
R5 16:00-17:20

P00186 A TOPOLOGICAL-RELATIONSHIP-BASED RANKING MECHANISM FOR A GEOWEB SEARCH ENGINE
Tse-Chun Wang National Central University
Chih-Yuan Huang National Central University

P00036 INTERNET OF PARKING: FEASIBILITY OF REAL-TIME PARKING INFORMATION SYSTEM
Liang-Yu Wu National Cheng Kung University
Yi-Hsing Tseng National Cheng Kung University

P00070 BUILDING FOOTPRINT REGULARIZATION ASSISTED BY ROAD VECTOR DERIVED FROM OPEN STREET MAP
Hsin-Yu Kuo National Cheng Kung University
Jiann-You Rau National Cheng Kung University
Edmond Lo Nanyang Technological University

P00091 DEVELOPING SPATIAL DECISION SUPPORT PLATFORM FOR SITE SELECTION OF SOCIAL HOUSING
shu-ming Hu Feng Chia University
Yi-Shiang Shiu Feng Chia University

LT (Land - Thermal)

R1 09:00-10:20

- P00287 MACHINE LEARNING APPROACHES TO WILDFIRE DETECTION USING GEOSTATIONARY SATELLITE DATA**
 Yoojin Kang Ulsan National Institute of Science and Technology
 Eunna Jang Ulsan National Institute of Science and Technology
 Jungho Im Ulsan National Institute of Science and Technology
- P00021 EFFECT OF URBANIZATION ON DIURNAL LAND SURFACE TEMPERATURE VARIATION**
 Ke-Sheng Cheng National Taiwan University
 Yen-Ching Chen Fu-Jen Catholic University
 Hao-Wei Chiu National Taipei University
- P00250 ESTIMATION OF LAND SURFACE TEMPERATURE FOR ASSESSING URBAN HEAT ISLAND EFFECT**
 Kangjoon Cho Seoul National University
 Yongil Kim Seoul National University
- P00111 DERIVATION OF SURFACE TEMPERATURE FROM MASTER MID-WAVE INFRARED SINGLE CHANNEL DATA USING RADIATIVE TRANSFER MODEL**
 Yongseung Kim Korea Aerospace Research Institute
 Nabin Malakar Worcester State University
 Glynn Hulley NASA Jet Propulsion Laboratory
 Simon Hook NASA Jet Propulsion Laboratory

LS (Land - Soil)

R1 10:40-11:40

- P00020 ESTABLISHING THE SOIL ERODIBILITY INDEX USING THE APPLICATION OF DOUBLE RINGS AND SOIL PHYSICAL-CHEMICAL PROPERTIES TESTING**
 Bor-Shiun Lin Sinotech Engineering Consultants, Inc.
 Chun-Kai Chen Sinotech Engineering Consultants, Inc.
 Chen-Kun Hsu Sinotech Engineering Consultants, Inc.
 Kent Thomas Buildings and General Services Authority (BRAGSA).
 Walter Chen National Taipei University of Technology
- P00081 COMPARISON OF SOIL EROSION BETWEEN WATERSHEDS OF TAIWAN AND THAILAND**
 Yi-Hsin Liu National Taipei University of Technology
 Kieu Anh Nguyen National Taipei University of Technology
 Walter Chen National Taipei University of Technology
 Jatuwat Wattanasetpong King Mongkut's Institute of Technology Ladkrabang
 Uma Seeboonruang King Mongkut's Institute of Technology Ladkrabang
- P00175 EVALUATION OF CARBONTRACKER (CT-ASIA) MODEL SIMULATION OF CO2 USING IN-SITU OBSERVATIONS AT SELECTED ATMOSPHERIC MONITORING STATIONS OVER EAST ASIA THROUGH 2009 TO 2013**
 Samuel Takele Kenea National Institute of Meteorological Sciences
 Young Suk Oh National Institute of Meteorological Sciences
 Jae Sang Rhee National Institute of Meteorological Sciences
 Tae Young Goo National Institute of Meteorological Sciences
 Young Hwa Byun National Institute of Meteorological Sciences
 Shanlan Li National Institute of Meteorological Sciences
 Lev D. Labzovskii National Institute of Meteorological Sciences
 Haeyoung Lee National Institute of Meteorological Sciences

OB (Oceanic Biology & Environment)

R2 09:00-10:20

- P00185 A STUDY ON DISCRIMINATION BETWEEN RED TIDE SPECIES USING GOCI**
 Jisun Shin Korea Institute of Ocean Science and Technology
 Keunyoung Kim Korea Institute of Ocean Science and Technology
 Seung-Hwan Min Korea Institute of Ocean Science and Technology
 Joo-Hyung Ryu Korea Institute of Ocean Science and Technology
- P00088 SEAGRASS MAPPING IN KHANH HOA PROVINCE, VIETNAM USING SATELLITE IMAGERY AND UAV**
 Xuan Truong Trinh The University of Tokyo
 Wataru Takeuchi The University of Tokyo
- P00243 NEARSHORE BATHYMETRY ESTIMATED BY SENTINEL-2 MULTISPECTRAL DATA**
 Pei-Yun Tsai National Central University
 Kuo-Hsin Tseng National Central University
- P00209 AN EFFICIENT SEA LEVEL MONITORING SOLUTION BY BLENDING HIMAWARI-8 AND SPOT IMAGERY**
 Andriani Putri National Central University
 Chih-Yuan Huang National Central University
 Kuo-Hsin Tseng National Central University

IoT

R2 10:40-11:40

- P00155 AN EFFICIENT PRELIMINARY FILTER INDEXING ARCHITECTURE FOR SENSOR WEB OBSERVATIONS**
 Tzu-Ying Chen National Central University
 Chih-Yuan Huang National Central University
- P00157 A PERFORMANCE EVALUATION OF TIME SERIES DATA REPRESENTATION METHODS**
 I-Sheng Tseng National Central University
 Chih-Yuan Huang National Central University
- P00158 A SPATIAL-TEMPORAL DATA MANAGEMENT STRUCTURE FOR BIG INTERNET OF THINGS DATA**
 Yu-Jui CHANG National Central University
 Chih-Yuan Huang National Central University

RA (Remote Sensing Applications)
R3 09:00-10:20

P00047 ENHANCED UTILIZATION OF BLE BEACONS FOR INDOOR POSITIONING

Won jin Kim	Myongji university
Chang jae Kim	Myongji university
Hyo won An	Myongji university
Hyunmook Lim	Myongji university

P00132 THE STUDY OF GROSS ERROR DETECTION

hung-chia Chang	NCCU
yu-chun Chen	NCCU
yu-chan Lee	NCCU
Fang-shii Ning	NCCU

P00161 INVESTIGATION OF SOLAR POWER GENERATION FACILITIES USING DRONES

YounGon Oh	University of Seoul
Kyoungah Choi	University of Seoul
Impyeong Lee	University of Seoul

P00271 THE EPIDEMIOLOGICAL PREDICTION FOR DENGUE OUTBREAKS USING LOCAL AND REMOTE SENSING DATA

Chusna Meimuna	University of Indonesia
Arliandy Pratama	Sumatera Institute of Technology
Purnawan Junadi	The University of Indonesia

AE (Atmosphere - Environment)
R3 10:40-11:40

P00133 IMPROVING FORECASTING PERFORMANCE OF URBAN AIR TEMPERATURE USING IN SITU AND SATELLITE OBSERVATIONS AND NUMERICAL WEATHER PREDICTION MODEL OUTPUT

Dongjin Cho	Ulsan National Institute of Science and Technology
Cheolhee Yoo Yoo	Ulsan National Institute of Science and Technology
Jungho Im	Ulsan National Institute of Science and Technology

P00146 MONITORING OF OVERSHOOTING TOPS OVER EAST ASIA USING HIMAWARI-8 DATA AND MACHINE LEARNING APPROACHES?

Juhyun Lee	Ulsan National Institute of Science and Technology
Miae Kim	Ulsan National Institute of Science and Technology
Jungho Im	Ulsan National Institute of Science and Technology
Yoojin Kang	Ulsan National Institute of Science and Technology

P00200 DETECTION OF CONVECTIVE INITIATION USING HIMAWARI-8 ADVANCED HIMAWARI IMAGER DATA AND AGGREGATED DECISION TREES

Daehyeon Han	Ulsan National Institute of Science and Technology
Jungho Im	Ulsan National Institute of Science and Technology
Sanggyun Lee	Ulsan National Institute of Science and Technology

UAV I (Unmanned Aerial Vehicle I)
R4 09:00-10:20

P00098 SUGGESTING GUIDELINES FOR FOREST MEASUREMENT USING DRONE-LIDAR IN SOUTH KOREA

Sungeun Cha	Korea University
Woo-Kyun Lee	Korea University
Seong-Woo Jeon	Korea University
Hyun-Woo Jo	Korea University

P00076 DEVELOPMENT OF A DUAL-CAMERA DRONE SYSTEM FOR THERMAL CONDUCTIVITY ANALYSIS OF BUILDING ENVELOP

TING-CHEN CHU	National Taiwan University
JEN-YU HAN	National Taiwan University

P00110 A VISION SYSTEM DESIGN FOR UAV LANDING

ping-hsun Hsieh	National Cheng-Kung University
Wei-Hsiang Lai	National Cheng Kung University

P00283 THE UTILIZATION OF UAV IMAGING OF DIGITAL SURFACE MODEL AND ACCURACY ANALYSIS OF URBAN DETENTION BASIN

Cho-Yi Lin	Feng Chia University
Yen-Hung Chen	Feng Chia University
Mei-Ling Yeh	Feng Chia University
Tien-Yin Chou	Feng Chia University

UAV II (Unmanned Aerial Vehicle II)
R4 10:40-11:40

P00084 DETECTION OF INFECTED TREES BY PINE WILT DISEASE USING UAV IMAGES

Hwa-Seon Lee	Inha University
Kyu-Sung Lee	Inha University

P00167 USING UAV PHOTOGRAMMETRY TECHNIQUES FOR FOREST INVENTORY

Shang-Chuan Huang	National Pingtung University of Science and Technology
Chi-Hua Chang	National Pingtung University of Science and Technology
Jan-Chang Chen	National Pingtung University of Science and Technology
Chaur-Tzuhn Chen	National Pingtung University of Science and Technology

P00060 DETECTION OF INDIVIDUAL TREE IN URBAN AREAS BASED ON AIRBORNE LASER SCANNING DATA

Mei-Yu Huang	National Cheng Kung University
Chao-Hung Lin	National Cheng Kung University

Poster sessions

Paper ID	Wednesday	
A-01	P00042	<p>THE ON-ORBIT GEOMETRIC CALIBRATION FOR FORMOSAT-5 SATELLITE</p> <p>Li-Hsueh Chang National Space Organization</p> <p>Tee-Ann Teo National Chiao Tung University</p> <p>Yun-Shan Lee National Space Organization</p> <p>Shin-Chia Peng National Space Organization</p> <p>Nai-Yu Chen National Space Organization</p> <p>Cynthia Liu National Space Organization</p>
A-02	P00051	<p>EXPLORING NEIGHBORING EFFECTS ON LOCAL FINE PARTICULATE MATTER IN DIFFERENT SEASON WITH SPATIAL REGRESSION</p> <p>Yen-Ching Chang Feng Chia Univ.</p> <p>Yi-Shiang Shiu Feng Chia Univ.</p> <p>Feng-Cheng Lin Feng Chia Univ.</p>
A-03	P00114	<p>A STUDY ON CHARACTERISTICS OF WATER TEMPERATURE VARIATION DURING THE PERIODS OF RED TIDE OCCURRENCE USING SATELLITE DATA</p> <p>Bum-Kyu Kim Pukyong National University</p> <p>Do-Hyun Hwang Pukyong National University</p> <p>Suho Bak Pukyong National University</p> <p>Heung-Min Kim Pukyong National University</p> <p>Hong-Joo Yoon Pukyong National University</p>
A-04	P00210	<p>OPERATIONAL AUTOMATIC SYSTEM FOR THE INTENSITY OF SUNRAY (OASIS) EFFECT ON THE GROUND-BASED FTS SPECTRA RETRIEVAL RESULTS AT ANMYEONDO, KOREA</p> <p>Young Suk Oh National Institute of Meteorological Sciences / Hanyang University</p> <p>Samuel Takele Kenea National Institute of Meteorological Sciences</p> <p>Kyu-Sun Chung Hanyang University</p> <p>David W. T. Griffith University of Wollongong</p> <p>Paul O. Wennberg California Institute of Technology</p> <p>Jae-Sang Rhee National Institute of Meteorological Sciences</p> <p>Lev D. Labzovskii National Institute of Meteorological Sciences</p> <p>Shanlan Li National Institute of Meteorological Sciences</p> <p>Tae-Young Goo National Institute of Meteorological Sciences</p> <p>Young-Hwa Byun National Institute of Meteorological Sciences</p>
A-05	P00254	<p>SPATIO-TEMPORAL VARIATION OF CHLOROPHYLL-A OCEANIC FRONT AND ITS CHARACTERISTICS AROUND KOREAN PENINSULA USING SATELLITE DATA</p> <p>Ji-Eun Park Seoul National University</p> <p>Kyung-Ae Park Seoul National University</p>
A-06	P00099	<p>COMMAND DATA UPLOADING AND COMMAND PROCESSING RESULT CHECK METHOD BETWEEN THE GROUND STATION AND THE GEO SYNCHRONOUS ORBIT (GEO) SATELLITE</p> <p>Nayoung Lee Korea Aerospace Research Institute</p> <p>Tae-jin Chung KAIST SATREC</p>
		<p>DEVELOPMENT OF THE GEO-KOMPSAT-2B SENSOR COMMAND AND TELEMETRY PROCESSING METHODS</p>

A-07	P00103	Nayoung Lee Kyoung-Wook Jin Tae-Jin Chung	Korea Aerospace Research Institute Korea Aerospace Research Institute KAIST SATREC
A-08	P00113	VALIDATION TEST FOR GK2A UHRIT TRANSMITTING SIGNAL IN DVB-S2 STANDARD Durk-Jong Park	Korea Aerospace Research Institute
A-09	P00178	VEGETATION CHARACTERISTIC VALUE OF GROWTH DEGREE DAYS AND CHILLING REQUIREMENTS USING MODIS DATA IN KOREA NangHyeon Cho Eun-Sook Kim SinKyu Kang Jong-Hwan Lim	National Institute of Forest Science National Institute of Forest Science Kangwon National University National Institute of Forest Science
A-10	P00269	A NOVEL METHOD FOR IMPROVING SAFETY OF SATELLITE FLIGHT SOFTWARE USING STATIC ANALYSIS Hyun-Kyu Shin	Korea Aerospace Research Institute
A-11	P00048	A COMPARATIVE ANALYSIS OF SFM-BASED PHOTOGRAMMETRIC PROCESSING SCHEMES Sheng-Wei Wu Peter Tian-Yuan Shih	National Chiao Tung University National Chiao Tung University
A-12	P00055	ESTIMATION OF WINTER WHEAT GROWTH USING NDVI BASED ON UNMANNED AERIAL VEHICLE Sang-il Na Chan-won Park Kyu-ho So Kyung-do Lee	National Institute of Agricultural Sciences National Institute of Agricultural Sciences National Institute of Agricultural Sciences National Institute of Agricultural Sciences
A-13	P00056	DEVELOPMENT OF FIELD SCALE MODEL FOR ESTIMATING ONION GROWTH USING UAV NDVI AND AGRO-METEOROLOGICAL FACTORS Sang-il Na Chan-won Park Kyu-ho So Kyung-do Lee	National Institute of Agricultural Sciences National Institute of Agricultural Sciences National Institute of Agricultural Sciences National Institute of Agricultural Sciences
A-14	P00092	STUDY ON OPTIMAL VEGETATION INDICES AND REGRESSION MODEL FOR ESTIMATION OF RICE GROWTH USING UAV AERIAL IMAGES Kyung-do Lee chan-won park Kyu-Ho So Sang-il Na	Rural Development Administration Rural Development Administration Rural Development Administration Rural Development Administration
A-15	P00181	EFFICIENT ACQUISITION OF ULTRA-HIGH RESOLUTION IMAGES AND HIGHLY RELIABLE GCPS FOR UAV PHOTOGRAMMETRY Soohee Han	Kyungil Univ.
A-16	P00237	STUDY ON OBJECT-BASED DEM EXTRACTION FROM UAV IMAGERY Hyejin Kim Yongil Kim	Seoul National University Seoul National University
A-17	P00290	APPLICATION OF KOMPSAT-3A MIR FOR SURFACE TEMPERATURE IN URBAN AREAS: PRELIMINARY RESULT	

		Hyun-Ok Kim	Korea Aerospace Research Institute
A-18	P00016	MICROWAVE REMOTE SENSING SURFACE ROUGHNESS PARAMETER DERIVATION USING PHOTOGRAMMETRY TECHNIQUE	
		Saeid Gharechelou	Chiba university
		Ryutaro Tateishi	Chiba University
A-19	P00026	EVALUATING THE RELATIVE IMPORTANCE OF CLIMATIC AND ANTHROPOGENIC DRIVERS ON THE DYNAMICS OF ABOVEGROUND BIOMASS ON THE MONGOLIAN PLATEAU	
		Xiang Zhou	Nagoya University
		Yasushi Yamaguchi	Nagoya University
A-20	P00030	ASSESSING TEMPORAL CONSISTENCIES OF VARIOUS TIME SERIES NDVI PRODUCTS WHEN IDENTIFYING BREAK POINTS AND PREDICTING BIOPHYSICAL PROPERTIES OVER TROPICAL REGION OF SOUTH EAST ASIA	
		Sanjiwana Arjasakusuma	Graduate School of Environmental Studies, Nagoya University
		Yasushi Yamaguchi	Graduate School of Environmental Studies, Nagoya University, Japan
A-21	P00053	GEOLOGICAL MAPPING IN THE IH-ULZIIT AREA, MONGOLIA BY USING LANDSAT AND ASTER DATA	
		Natsagdorj Batbayar	Nagoya University
		Yasushi Yamaguchi	Nagoya University
		Munkhtsetseg Oidov	Mongolian University of Science and Technology
A-22	P00079	COMPARISON OF SOIL EROSION WITH DIFFERENT DIGITAL ELEVATION MODELS	
		Yi-Hsin Liu	National Taipei University of Technology
		Walter Chen	National Taipei University of Technology
A-23	P00080	COMPARISON OF EMPIRICAL SDR EQUATIONS	
		Kieu Anh Nguyen	National Taipei University of Technology
		Walter Chen	National Taipei University of Technology
A-24	P00087	EVALUATION OF WATER-RELATED SPECTRAL INDICES TO EXTRACT FLOOD WATER	
		YANYAN PIAO	Inha University
		Hwa-Seon Lee	Inha University
		Kyu-Sung Lee	Inha University
A-25	P00095	THE APPLICATION OF LANDSCAPE INDICES TO STUDY THE LAND COVER AND LAND SURFACE TEMPERATURE IN TAICHUNG CITY	
		Ya -Yun Xiao	Feng Chia University
		Yi-Shiang Shiu	Feng Chia University
		Re-Yang Lee	Feng Chia University
A-26	P00160	DEVELOPING PASTURE CAPACITY MAPS FOR PASTURELAND MANAGEMENT OF MONGOLIA	
		Enkhbat Sainbayar	Mongolian Geo-spatial Association
		Bilguunmaa Myagmardulam	Mongolian University of Science and Technology
A-27	P00168	DETECTING VEGETATION PHENOLOGY IN VARIOUS FOREST TYPES USING LONG-TERM MODIS VEGETATION INDICES	
		Bora Lee	National Institute of Forest Science
		Eunsook Kim	National Institute of Forest Science
		Go Eun Park	National Institute of Forest Science
		Bumsuk Seo	Karlsruhe Institute of Technology

		Jae-Min Chung Jong-Hwan Lim	Korea National Arboretum National Institute of Forest Science
A-28	P00224	ACCURACY ANALYSIS OF SATELLITE AND MODEL SOIL MOISTURE DATA OVER SOUTH KOREA	
		Ye-Seul Yun Yang-Won Lee	Pukyung National University Pukyung National University
A-29	P00226	FOREST DAMAGE DETECTION AND RECOVERY MONITORING USING TIME SERIES LANDSAT IMAGES	
		Eunsook Kim Bora Lee Jong-Hwan Lim	National Institute of Forest Science National Institute of Forest Science National Institute of Forest Science
A-30	P00274	ESTIMATION OF STEM VOLUME FOR DECIDUOUS BROAD-LEAVED FOREST IN NORTHERN JAPAN BY USING AIRBORNE LIDAR DATA	
		Naoki Furuta Takashi Nonaka Keishi Iwashita Hideki Kobayashi Kyoko Ikeda Masato Hayashi Tatsuro Nakaji Tutomu Hiura	Nihon University Nihon University Nihon University Japan Agency for Marine-Earth Science and Technology Japan Agency for Marine-Earth Science and Technology Japan Aerospace Exploration Agency Hokkaido University Hokkaido University
A-31	P00273	RELATIONSHIP BETWEEN LANDSLIDES AND MOUNTAIN DEVELOPMENT: EXAMPLES FROM THE CHANYULAN CATCHMENT, TAIWAN	
		YUNG-CHUNG Matt CHUANG YI-SHIANG SHIU	Feng-Chia University Feng-Chia University
A-32	P00285	APPLICATION OF MULTI-SCALE SPATIAL UNITS ON ASSESSING LANDSLIDE DISASTER RISK	
		Cheng-En Song Yi-Chin Chen Su-Fen Wang	National Changhua University of Education National Changhua University of Education National Changhua University of Education
A-33	P00122	MEASUREMENT OF SEAWARD GROUND DISPLACEMENTS ON COASTAL LANDFILL AREA USING RADAR INTERFEROMETRY	
		Won-Kyung Baek Hyung-Sup Jung	university of seoul university of seoul
A-34	P00256	SPACE-BASED INSAR OBSERVATIONS OF THE 2018 HUALIEN EARTHQUAKE	
		Sang-Hoon Hong	Pusan National University
A-35	P00063	EFFECTIVE FOREST FIRE DETECTION METHOD USING HEIGHT CORRECTION FROM HIMAWARI-8 IMAGES	
		sunghwan park Wook Park hyung-sup jung	university of seoul Yonsei University university of seoul
A-36	P00129	DETECTION OF VOLCANIC ASH DEPOSITION USING GOCI: A CASE STUDY FROM ASO VOLCANO, JAPAN	
		Jongsun Sun Won-Jin Lee	Korea Meteorological Administration Korea Meteorological Administration

		Sun-Cheon Park Duk Kee Lee	Korea Meteorological Administration Korea Meteorological Administration
A-37	P00067	STUDY ON RED TIDE DETECTION TECHNIQUE BY USING MACHINE LEARNING APPROACH Suho Bak Do-Hyun Hwang Heung-Min Kim Bum-Kyu Kim Hong-Joo Yoon	
A-38	P00017	COMPARISON BETWEEN SPATIAL PROFILES OF TROPOSPHERIC NO2 COLUMN WITH REMOTE SENSING TECHNIQUES AND WRF-CMAQ DERIVATION Hugo Wai Leung MAK Jimmy Chi-Hung FUNG	
A-39	P00232	AIR POLLUTION DISTRIBUTION MAPPING USING GEOGRAPHICAL INFORMATION SYSTEM, SATELLITE DATA IN ULAANBAATAR CITY Batpurev Myagmardulam Bilguunmaa Myagmardulam	
A-40	P00068	SPATIAL PATTERNS OF CORRELATIONS BETWEEN SEA LEVEL AND SEA SURFACE TEMPERATURE AROUND KOREAN PENINSULA Do-Hyun Hwang Bak Suho Heung-Min Kim Bum-Kyu Kim Hong-Joo Yoon	
A-41	P00045	ASSOCIATION BETWEEN SURROUNDING GREENNESS AND LUNG CANCER INCIDENCE USING GEOSPATIAL INFORMATION TECHNOLOGIES Chun-Yin Huang Yi-Tsai Chang Yinq-Rong Chern Shih-Chun Candice Lung Mu-Jean Chen Chih-Da Wu	
A-42	P00275	USING UAV STEREOPAIRS AND SELF-CARRIED GNSS GCPS TO IMPROVE DSM GEOLOCATION ACCURACY Yi-Chan Hung Hung-Hsien Wan Hung-Chu Ho Wen-Qi Huang Kuo-Hsin Tseng	
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		A PRELIMINARY RESULTS OF RIVERBEDS ROUGHNESS ANALYSIS USING FULL-WAVEFORM LIDAR DATA	

A-44	P00093	Jo-Yao Hsu Jen-Yu Han	National Taiwan University National Taiwan University
A-45	P00035	A PRELIMINARY STUDY ON GROUND MOVING TARGET DETECTION USING SPOTLIGHT MODE SAR	
		Minyoung Back Joong-Sun Won	Yonsei university Yonsei university
A-46	P00040	EVALUATION OF SHADOW EFFECT ON PHOTOCHEMICAL REFLECTANCE INDEX USING AIRBORNE-BASED HYPERSPECTRAL IMAGE	
		Jae-Hyun Ryu Jung Il Shin Jaeil Cho	Chonnam national university GEOSTORY. Co., Ltd Chonnam national university
A-47	P00162	MULTI-TEMPORAL ANALYSIS OF FOREST FIRE RISK DRIVEN BY SOCIO-ECONOMIC AND ENVIRONMENTAL DEVELOPMENT IN SOUTH KOREA	
		Sea Jin Kim Chul-Hee Lim Gang Sun Kim Jongyeol Lee Yowhan Son Woo-Kyun Lee	Korea University Korea University Korea University Korea University Korea University Korea University
A-48	P00058	PARAMETRIZATION OF THE GRAMI MODEL FOR SIMULATION OF SOYBEAN	
		Ashifur Rahman Shawon Seungtaek Jeong Jonghan Ko	Chonnam National University Chonnam National University Chonnam National University
A-49	P00044	ASSESSMENT OF SPATIAL-TEMPORAL VARIABILITY OF NON-METALLIC CONSTITUTES OF FINE PARTICULATE MATTER IN TAIWAN USING GIS AND REMOTE SENSING TECHNOLOGIES	
		Ya-Ping Hsiao Chih-Da Wu Wen-Chi Pan Shih-Chun Candice Lung Chia-Pin Yu	National Chiayi University National Chiayi University National Yang-Ming University Academia Sinica National Taiwan University
A-50	P00159	MODELING THE POTENTIAL HABITAT OF RANDAISHAN CINNAMON VIA MULTIVARIATE STATISTICAL METHODS IN GIS	
		Bao-Hua Shao Nan-Chang Lo Kai-Yi Huang	National Chung Hsing University National Chung Hsing University National Chung Hsing University
A-51	P00077	DYNAMIC AIR POLLUTION MAPPING FOR HOCHIMINH CITY USING PORTABLE SENSORS.	
		Nguyen Thi Quynh Trang Wataru Takeuchi	University of Tokyo University of Tokyo

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B-02	P00112	<p>AUTOMATIC DETECTION AND TRACKING OF SHIPS FROM UAVS USING COLOR SPACE AND IMAGE SEGMENTATION</p> <p>Anna Maria Klimkowska University of Seoul</p> <p>Impyeong LEE University of Seoul</p>
B-03	P00115	<p>AUTOMATIC DETECTION OF THE SEAGRASS BED IN THE CENTRAL PART OF SETO INLAND SEA OF JAPAN USING LANDSAT-8 DATA</p> <p>Yuji Sakuno Hiroshima University</p> <p>Yousuke Sakamoto Hiroshima University</p>
B-04	P00131	<p>IMPROVED SHIP DETECTION FROM KOMPSAT-5 IMAGERY BY USING HUMAN VISUAL ATTENTION SYSTEM</p> <p>donghan kim sejong university</p> <p>sang-wan kim sejong university</p>
B-05	P00173	<p>OCEAN COLOR ALGORITHM DEVELOPMENT ENVIRONMENT FOR SUPPORTING IMPLEMENTATION SIMPLIFICATION OF GOCI-II DATA PROCESSING</p> <p>Hyun Yang Korea Institute of Ocean Science and Technology</p> <p>Hee-Jeong Han Korea Institute of Ocean Science and Technology</p> <p>Jae-Moo Heo Korea Institute of Ocean Science and Technology</p> <p>Jaehoon Jeong Korea Institute of Ocean Science and Technology</p> <p>Taekyung Lee Satrec Initiative Co. Ltd</p> <p>Woong Hu Satrec Initiative Co. Ltd</p> <p>Sunghee Kwak Satrec Initiative Co. Ltd</p>
B-06	P00198	<p>LONG-TERM MONITORING OF THE GREEN-TIDE IN THE EASTERN YELLOW SEA BASED ON THE REMOTE SENSING</p> <p>Keunyoung Kim Korea Institute of Ocean Science and Technology</p> <p>Jisun Shin KIOST-KMOU</p> <p>Seung-Hwan Min Pukyong National University</p> <p>Joo-Hyung Ryu Korea Institute of Ocean Science and Technology</p>
		<p>A CLUSTER SCHEDULER FOR REAL-TIME GOCI-II DATA PROCESSING IN HETEROGENEOUS COMPUTING SYSTEMS</p> <p>Jae-Moo Heo Korea Institute of Ocean Science and Technology</p>

B-07	P00245	Hee-Jeong Han	Korea Institute of Ocean Science and Technology
		Hyun Yang	Korea Institute of Ocean Science and Technology
		Jaehoon Jeong	Korea Institute of Ocean Science and Technology
		Taekyung Lee	Satreci Initiative Co., Ltd.
		Sunghee Kwak	Satreci Initiative Co., Ltd.
B-08	P00251	ANALYSIS OF SURFACE REMNANT WATER USING THE REMOTELY SENSED DATA ON INTERTIDAL ZONE	
		Kye Lim Kim	Korea Institute of Ocean Science and Technology
		Bum Jun Kim	Korea Institute of Ocean Science and Technology
		Joo Hyung Ryu	Korea Institute of Ocean Science and Technology
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		Hee-Young Kim	Seoul National University
		Kyung-Ae Park	Seoul National University
B-10	P00267	VALIDATION OF SATELLITE ALTIMETER WIND SPEED IN THE SEA AROUND KOREA	
		Do-young Choi	seoul national university
		Kyung-Ae Park	Seoul national university
		Hye-Jin Woo	Seoul National University
		JI-HYUN LEE	Seoul National University
B-11	P00147	A STUDY ON ESTIMATION OF CHLOROPHYLL-A CONCENTRATION IN NAKDONG RIVER USING SATELLITE IMAGERY	
		Heung-Min Kim	Pukyong National University
		Do-Hyun Hwang	Pukyong National University
		Suho Bak	Pukyong National University
		Bum-Kyu Kim	Pukyong National University
		Hong-Joo Yoon	Pukyong National University
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		Sung-Ho Chae	Korea Environment Institute
		Moung-Jin Lee	Korea Environment Institute
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		Seong-Wook Park	Pukyong National University
		Daeyun Shin	K-water
		Dongyoung Kim	K-water
		Yang-Won Lee	Pukyong National University
		SELECTION OF LAND SURFACE MODEL FOR APPLICATION OF NASA LIS ON KOREAN PENINSULA	

B-14	P00203	GwangHa Park	K-water Convergence Institute (KWCI)
		Wan Sik Yu	K-water Convergence Institute (KWCI)
		Hyo Sok Chae	K-water Convergence Institute (KWCI)
		Eui-Ho Hwang	K-water Convergence Institute (KWCI)
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		Yu-Ju Fu	National Chiao Tung University
		Tee-Ann Teo	National Chiao Tung University
B-16	P00061	REGRESSION-BASED NORMALIZATION FOR MOSAICKING AMONG SIMULATED LANDSAT IMAGES.	
		JIN SUE PARK	KONKUK UNIVERSITY
		Dae Kyo Seo	KONKUK UNIVERSITY
		Jeong Min Lee	Shinhan Aerial Survey Co., Ltd.
		Yang Dam Eo	KONKUK UNIVERSITY
B-17	P00062	EXPERIMENTAL STUDY OF LANDSAT SIMULATION METHODS	
		Hye Jin Kim	LoDiCS Co, Ltd
		Min Cheol Jeon	LoDiCS Co, Ltd
		Dae Kyo Seo	Konkuk University
		Wan Yong Park	Agency for Defense Development
		Hyun Chun Park	Agency for Defense Development
		Mi Hee Lee	National Disaster Management Research Institute
		Yang Dam Eo	Konkuk University
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		Hyun-Su Lim	Korea Aerospace Research Institute
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		Joongbin Lim	National Institute of Forest Science
		Kyoung-min Kim	National Institute of Forest Science
		Ri Jin	Yanbian University
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		Youkyung Han	Kyungpook National University
		Jinhwan Park	Kyungpook National University
		Jaewan Choi	Chungbuk National University
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		Jongmin Yeom	Korea Aerospace Research Institute

		Sang-Wan KIM	Sejong University
B-30	P00213	GENERIC FAÇADE TEXTURE GENERATION FOR REALISTIC 3D BUILDING RECONSTRUCTION	
		Yu-Ching Liu	National Central University
		Jhe-Syuan Lai	National Central University
		Fuan Tsai	National Central University
B-31	P00242	DERIVATION OF THE THREE COMBINED KINDS OF ALOS-AVNIR-2 TASSELLED CAP TRANSFORMATION (TCT) COEFFICIENTS	
		Min-Gee Hong	Kookmin University
		Yongseung Kim	Korea Aerospace Research Institute
		Choen Kim	Kookmin University
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		Jeongho Lee	Korea Aerospace Research Institute
		Younsoo Kim	Korea Aerospace Research Institute
B-33	P00029	THREE-DIMENSIONAL GROUND COORDINATE DETERMINATION ACCURACY OF KOMPSAT-3 IMAGERY	
		DooChun Seo	Korea Aerospace Research Institute
B-34	P00119	CITYGML LOD-2 BUILDING MODEL RECONSTRUCTION USING TOPOGRAPHIC MAPS AND POINT CLOUD DATA	
		Fuan Tsai	National Central University
		Jhe-Syuan Lai	National Central University
		Yu-Ching Liu	National Central University
		Ching-Sung Yang	National Central University
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		Wansik Yu	K-water Convergence Institute
		Geunsang Lee	Vision college of Jeonju
		Euiho Hwang	K-water Convergence Institute
		Kwansue Jung	Chungnam National University
		Hyosok Chae	K-water Convergence Institute
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		HORYUNG JEONG	Korea Aerospace Research Institute
		Donghyun Kim	Korea Aerospace Research Institute
		Dochul Yang	Korea Aerospace Research Institute
		Donghan Lee	Korea Aerospace Research Institute
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		Ji-Won Kim	Pukyong National University

		Yang-Won Lee	Pukyong National University
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		Long-Jeng Lee	Instrument Technology Research Center, National Applied Research Laboratories
		Victor Hao	Isuzo Optics Corporation
		Ming-Hsien Chou	HC Photonics Corporation
		Yuan Shen	National Chung Hsing University
B-39	P00038	QUADTREE-BASED 3D SPATIAL INFORMATION OPEN PLATFORM	
		Ahyun Lee	Electronics and Telecommunications Research Institute
		Insung Jang	Electronics and Telecommunications Research Institute
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		Arthur Yanagisawa	The University of Tokyo
		Wataru Takeuchi	The University of Tokyo
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		Shin-Rung Tsai	Feng Chia University
		Yi-Shiang Shiu	Feng Chia University
B-42	P00145	ORTHO CORRECTION OF HIGH-RESOLUTION SATELLITE IMAGES IN A DISTRIBUTED ENVIRONMENT	
		Jinhyeok Park	LoDiCS
		Wan Yong Park	Agency for Defense Development
		Hyeon Seung Song	Agency for Defense Development
		Hyun Chun Park	Agency for Defense Development
		Seung Chul Baek	Agency for Defense Development
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		Chen-Yuan Su	National Chiao Tung University, Hsinchu
		Peter Tian-Yuan Shih	National Chiao Tung University, Hsinchu
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		Yuta Izumi	Shizuoka University
		Kazutaka Iwasaki	Shizuoka University
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		Gang Sun Kim	Korea University
		Jongyeol Lee	Korea University
		Sungeun Cha	Korea University
		Sea Jin Kim	Korea University

		Woo-Kyun Lee	Korea University
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		Pei Ru Liao	Chung Cheng Institute of Technology, National Defense University
		Yi-Shan Li	Chung Cheng Institute of Technology, National Defense University
		Fang-Shii Ning	National Chengchi University
		Ming-Ta Tsai	Chung Cheng Institute of Technology, National Defense University
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		Ming-Da Tsai	Chung Cheng Institute of Technology, National Defense University.
		Jia-Long Wu	National Land Surveying and Mapping Center, Taiwan.
		Yi-Shan Li	Chung Cheng Institute of Technology, National Defense University.
		Chieh-Ting Chou	Chung Cheng Institute of Technology, National Defense University.
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		Young-Min Cho	KARI
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		JaeJin Park	Seoul National University
		Sangwoo Oh	Korea Research Institute of Ships and Ocean engineering
		KyungAe Park	Seoul National University
		JaeCheol Jang	Seoul National University
		HeeYoung Kim	Seoul National University
		Moonjin Lee	Korea Research Institute of Ships and Ocean engineering
		TaeSung Kim	Korea Research Institute of Ships and Ocean engineering
		WonSoo Kang	Korea Research Institute of Ships and Ocean engineering
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		Yoshio Awaya	Gifu University
		Eiji Kodani	Forestry and Forest Products Research Institute
B-51	P00211	AN APPLICATION OF POL-INSAR TO SINGLE POLARIZATION TANDEM-X DATA FOR RICE PADDY HEIGHT ESTIMATION	
		SunYong Yoon	Yonsei University
		Seung-kuk Lee	NASA Goddard Space Flight Center
		Joong-sun Won	Yonsei University