（社）日本リモートセンシング学会　第65回（平成30年度秋季）学術講演会（英文）　2018.10.31

SAR1 （Room A, November 27st（Tue.） 10:30-12:00			
A	1	Small scale change detection of the land surface in city areas from the POLSAR data	○T. Kanda・H. Kimura(Gifu Univ.)
A	2	Application of deep learning for landuse classification by synthetic aperture rader	○T. Kawai・H. Kimura(Gifu Univ.)
A	3	study on deep learning applied to coniferous tree classification using PALSAR data	◯T.Yoshimura・K.Nakamura(Nihon Univ.)・M.Watanabe(Tokyo Denki Univ.)・k.Ouchi(IHI)
A	4	Surface changes due to wildfire in Eastern Siberia using satellite remote sensing	○T. Abe(JAXA)・G. Iwahana(Univ. of Alaska)・T. Tadono(JAXA)
A	5	Classification of cultivation/non-cultivation area on paddy rice from the time series	○T.hirose・M.Shimada(Tokyo Denki Univ.)
A	6	Analysis of microwave scatter of agricultural land using X-band airborne SAR	○S. Furuya・C. Yonezawa(Tohoku Univ.)・N. Ishitsuka(NARO)・S. Kojima(NICT)
Land （Room A, November 27st（Tue.） 14:45-15:45			
A	7	Estimation of microwave land surface emissivity over East Asia	○N.Hirose(Matsue College)・K.Taniguti(Kanagawa Univ.)・I.Kaihotsu(Hiroshima Univ.)
A	8	Spatial extensions of conventional error diagnostics for continuous raster data	○N. Tsutsumida(Kyoto Univ.)
A	9	Risk assessment of debris flows by analysis of predisposing factors for the sediment disaster in Hiroshima City caused by the August 2014	○Y. Yamaguchi・F. Sanoh(Nagoya Univ.)
A	10	Species Identification of Individual Coniferous Trees Using CNN Classification of Crown Relief Images Derived by UAV-SfM	○A. Fujimoto・T. Machimura・T. Matsui(Osaka Univ.)・K. Hayashi(Nagoya Univ.)・S. Sugita(Chiba Univ.)・H. Takagi(Nagoya Univ.)
Optics （Room A, November 28st（Wed.） 9:00-10:15）			
A	11	On the application of the simultaneous estimation method to MODIS data	○Y.Iikura(Hirosaki Univ.)・N.Manago(JAXA)・K.Ichii・H.Kuze(Chiba Univ.)
A	12	Effectiveness evaluation of indices based on MODIS and climate data for forest fire potential estimation	○A. Sakuma(Univ. Tokyo)・S. Kameyama・H. Yamano(NIES)
A	13	Development of automated deforestation mapping using long-term optical satellite data	○H. Mizuochi・T. Tadono(JAXA)
A	14	In situ spectral reflectance observations for the understanding of growing season phenology of a black spruce forest in interior Alaska	○H. Kobayashi・S. Nagai(JAMSTEC)・Y. Kim (IARC/UAF)・W. Yang(Chiba Univ.)・T. Kato(Hokkaido Univ.)・K. Ikeda(JAMSTEC)・H. Ikawa(NARO)・H. Nagano(JAEA)・R. Suzuki(JAMSTEC)
A	15	Hyperspectral assessment of carbon and water content in the soil – Comparative analysis of spectral-index, multivariable regression and ANN approaches –.	○Y. Inoue(NARO)・X. Zhi(Univ. Tsukuba)
SAR2 （Room A, November 28st（Fri.） 10:30-12:00）			
A	16	Forest classification in Brazilian Amazon with L-band SAR backscatter coefficient	○Tatsuma Hamazaki・Masanobu Shimada(Tokyo Denki Univ.)
A	17	Tropical forest classification based on multi-temporal ALOS-2/PALSAR-2 ScanSAR observations	○C. Koyama・M. Watanabe(Tokyo Denki Univ.)・M. Hayashi・I. Nagatani(JAXA)・T. Ogawa(RESTEC)・T. Watanabe・T. Tadono(JAXA)・M. Shimada(Tokyo Denki Univ.)
A	18	A methodology for mitigating land surface water influence from PALSAR2 ScanSAR image for precise forest change detection	○I. Nagatani・M. Hayashi(JAXA)・M. Watanabe・C. Koyama(Tokyo Denki Univ.)・T. Tadano・T. Watanabe(JAXA)・M. Shimada(Tokyo Denki Univ.)
A	19	Accuracy improvement of JJ-FAST deforestation detection algorithm with multi temporal data	○Manabu Watanabe・Christian Koyama(Tokyo Denki Univ.)・Masato Hayashi・Izumi Nagatani・Takeo Tadono(JAXA)・Masanobu Shimada(Tokyo Denki Univ., JAXA)
A	20	Feasibility Study on Evaluation of Weed Density in Eucalyptus Plantation by Microwave SAR Data	○S. Kobayashi(Tamagawa Univ.)・Y. Omura(Kyoto Univ.)
A	21	Monitoring of environmental change by JERS-1 data in mangrove forest in Bangladesh	○Y. Morikawa・K. Muramatu(Nara Women's Univ.)
SAR3 （Room A, November 28st（Wed.） 15:15-16:45）			
A	22	Crater Activity of Shinmoe-dake(a part of the Mount Kirishima cluster of Volcanoes) by INSAR Detection	○K.Fujiyama・M.Shimada(Tokyo Denki Univ.)
A	23	Detection of ground fluctuation after Kumamoto earthquake 2016 using the time series interferometric PALSAR-2 data.	○K.Takahashi・M.Shimada(Tokyo Denki Univ.)
A	24	Monitoring of landslides triggered by the Heavy Rain in July 2018 using interferometric SAR in Sakaide City, Kagawa Pref., Japan	○M. Masumoto・A. Nonomura(Kagawa Univ.)・T. Tadono(JAXA)・T. Yamanokuchi(RESTEC)
A	25	An estimation study on areal ground subsidence in Hatoyama, Saitama using time series interferometric SAR	○W.Iwatate・M.Shimada(Tokyo Denki Univ.)
A	26	Airbone single pass X-band FMCW INSAR instrument for the accurate DEM generation	◯Masanobu Shimada(Tokyo Denki Univ.)・Akira Nohmi・Hitoshi Nohmi(Alouette Technology)・Shuto Sugai・Mayumi Noguchi・Akira Sasagawa(GSI)
A	27	Footprint identification of vertical structures on SAR interferogram	○J. Uemoto(NICT)
Observation instrument/System （Room B, November 27st（Tue.） 10:30-12:00）			
B	1	Stand-off measurement of vegetation fluorescence on the canopy level under insolation	○K. Kuriyama(Shizuoka Univ.)・N. Manago・H. Kuze(Chiba Univ.)
B	2	Initial calibration results of ASNARO-2 SAR	○M. Miyawaki(NAS)・T. Kawasaki・T. Kimura(NEC)
B	3	Application of the vibration imaging radar(VirA) and development of millimeter wave VirA.	○Hitoshi Nohmi(Alouette Technology)
B	4	Radiometric calibration status of ALOS-2/CIRC and CALET/CIRC	○H. Tonooka(Ibaraki Univ.)・M. Sakai・A. Kumeta・K. Nakau(JAXA)
B	5	Renewal of the JAXA earth observation satellite data distribution system "G-Portal"	○M. Natsuisaka・Y. Ikehata・K. Kuroiwa・S. Yabuuchi・K. Nonaka・Y. Shimomura(JAXA)
B	6	Development of Microsatellite and Airborne Circularly Polarized Synthetic Aperture Radar (CP-SAR)	○J.T. Sri Sumantyo・M.Y. Chua・K.N. Urata・C.E. Santosa・N. Imura(Chiba Univ.)・R.H. Triharjanto(LAPAN)
Ice （Room B, November 27st（Tue.） 14:45-16:00）			
B	7	Creation of digital elevation model of Tropical glacier by using visible and near-infrared camera system mounting on small UAV	○R.Kakubari・Y.Asaoka・H.Wakabayashi(Nihon Univ.)
B	8	Study on long-term monitoring of tundra lake ice by using SAR data	◯N.Maezawa・H.Wakabayashi(Nihon Univ.)
B	9	Monitoring tundra lake ice by Sentinel-1 C-band SAR data	○K.Motohashi・H.Wakabayashi(Nihon Univ.)
B	10	Deep-Learning-Based Short-term Prediction of Sea Ice Concentration in Sea of Okhotsk	○I. Kawashima・T. Kouyama・R. Sugimoto・R. Nakamura(AIST)
B	11	Analysis of grounding line by ALOS-2 / PALSAR-2 through the comparison with ALOS / PALSAR data	○T. Yamanokuchi(RESTEC)・K. Doi(NIPR)・K. Nakamura(Nihon Univ.)・S. Aoki(Hokkaido Univ.)

Water/Atmosphere (Room B, November 28st(Wed.) 9:00-10:15)			
B	12	Cloud and water vapor image analysis using visible and near-infrared cameras	○K.Miyamoto・N.Lagrosas・N.Manago・H.Kuze(Chiba Univ.)
B	13	Automatic aquaculture facilities extraction on Hirota Bay, Iwate Prefecture using object-based image analysis	○H. Murata(Tohoku Univ.)・T. Komatsu(Yokohama College of Commerce)・C. Yonezawa(Tohoku Univ.)
B	14	Oil slick automatic detection based on deep learning with PALSAR images	○N. Kanemoto(Space Shift)・R. Nakamura(AIST)・T. Yanagihara(Rigde-i)
B	15	Ship detection by POLSAR images	○Y. NIshioka・H. Kimura(Gifu Univ.)
Application (Room B, November 28th(Wed.) 10:30-12:00)			
U	1	Verification of accuracy of snow depth distribution from stereo satellite images based on airborne laser scanning data	○Terumasa Nishihara・Atsushi Tanise(CERI)
U	2	Rapid flood inundation mapping of the 2018 Oda River flood from ALOS-2 data for emergency response	○Y. Kwak(ICHARM)
U	3	Extraction of flooded areas due to the July 2018 Western Japan torrential rain using PALSAR-2 data	○F. Yamazaki・W. Liu・Y. Maruyama(Chiba Univ.)
U	4	A trial study of rapid assessment for smart agriculture using nano satellite	○S. Odagawa・D. Seguchi・T. Okumura(RESTEC)
U	5	Rice growth monitoring using UAV-based hyperspectral remote sensing	○J. Kurihara・T. Ishida・Y. Takahashi(Hokkaido Univ.)・T. Nagata(HRO)
U	6	Surface deformation due to the earthquake on Sulawesi Island, Indonesia, on September 28, 2018, detected by ALOS-2	○M. Hashimoto(Kyoto Univ.)
Application (Poster) (Room P, November 27st(Tue.)13:00-14:30, November 28th (Wed.)13:30-15:00 (U7)-(U13))			
U	7	Case studies of utilizing satellite remote sensing for disaster response	○K.Honda・N.Asada・N.Mushiake・T.Nishimura・S.Mukoyama(KKC)
U	8	Accuracy verification of RedEdge-M for land cover classification analysis	○M. Hasegawa(FUTABA)・R. Kakubari・K. Oyama・H. Wakabayashi(Nihon Univ.)・M. Izumi(FUTABA)
U	9	Distribution survey of wild deer by using high resolution airborne thermal imager	○A. Tamura・S. Unome・K. Naruoka・N. Yoshida・S. Miyasaka(Nakanihon Air Service)・T. Ikeda(Gifu Univ.)
U	10	Windfall damage analysis in Hokkaido prefectural forests using LANDSAT8 satellite image and the practical use of assessments	○M. Kanno・T. Abe(HRO)
U	11	Building Change Detection Using Aerial Imagery	○L. Zhu・H. Simamura・T. Satoh・K. Tachibana(PASCO)
U	12	Improvement of vegetation mapping of monochrome aerial photographs using color aerial photographs and deep learning	○S. Ohnishi(AAS Co.)・H. Oguma・Y. Amagai(NIES)・K. Takahashi(Shinshu Univ.)・K. Someno・T. Shimizu(ISP)
U	13	The utility evaluation of drone thermal images applied super resolution processing for machine learning to extract deer individuals	○M. Minegishi(FUTABA)・M. Maki(Tohoku Inst. of Tech.)・K. Oki(Univ. Tokyo)・M. Hasegawa(FUTABA)

Poster Session (1) (Room P, November 27st(Tue.) 13:00-14:30 (P1)-(P36) (Core Time: Odd numbers 13:00-13:40／Even numbers 13:50-14:30)			
P	1	Comparison of difference processing methods using satellite images before and after disaster for extracting landslide disaster area	○Y.Horie・H.Hashiba・M.Sonobe(Nihon Univ.)
P	2	A study on detection of disaster garbage using Landsat-8 reflectance products in West Japan heavy rain disaster occurred in July 2018	○Y.Mitsui・Y.Sakuno(Hiroshima Univ.)
P	3	Extraction of Slope Failure Susceptible Areas Using High-Resolution Satellite Image and Digital Elevation Model	○M.Miura・H.Saji(Shizuoka Univ.)
P	4	Changes in urban index by the recovery of disaster area at Itoigawa Great Fire	○K. Fukushima・S. Aoyama・T. Sugimura(Nihon Univ.)
P	5	Corrosion detection for steel girder bridge using deep learning	○N. Sato・K. Nakamura・Y. Waizumi・Y. Koda(Nihon Univ.)
P	6	Estimation of ice thickness by thermodynamic analysis of MODIS imagery and ground truthing in Lake Saroma (2)	○Y. Koike・H. Tonooka(Ibaraki Univ.)
P	7	Classification of the status of the lake surface on Lake Suwa using the albedo derived from MODIS data	○Tomohiro Nakazawa・Takashi Nonaka・Keishi Iwashita(Nihon Univ.)
P	8	Effectiveness of WorldView-3/SWIR in multispectral mineral mapping using surrounding hyperspectral images	○A. Hirai・H. Tonooka(Ibaraki Univ.)・Li Yunqing(JSI)
P	9	Lithological mapping by using ASTER data in Uh-Ulziit area, Mongolia	○N.Batbayar・N.Batbayar・Ya.Yamaguchi・R.Hirai(NU)・M.Oidov(MUST)
P	10	Discrimination of minerals with absorption features at around 2.35 μm by using the ASTER data	○R. Hirai(Nagoya Univ.)・S. Kodama(AIST)・Y. Yamaguchi(Nagoya Univ.)
P	11	Attempt to detect community of kudzu and to evaluate its abundance by high-resolution aerial image processing	○H. Iwamoto・O. Watanabe(Shinshu Univ.)
P	12	Extraction of fish ponds using Sentinel-1 data	○T. Kitagami・C. Hongo(Chiba Univ.)・H. Wakabayashi(Nihon Univ.)・B. Tjahyono(Bogor Agri. Univ.)・S. Dewayani・D. Hidayat(Provincial Office of Food Crops and Horticulture of West Java Province)
P	13	Improvement of photosynthesis estimation by satellite-based chlorophyll fluorescence	○Y.Hayashi・K.Murakami・Z.Liu・K.Ichii(Chiba Univ.)
P	14	Two-dimensional Displacement Analysis for Urban Area Using SAR with PS Clustering	○D. Ikefuji・T. Tanaka・O. Hoshuyama(NEC)
P	15	A Study of Observing Seismic Ground Deformation Using Airborne SAR Images	○H. Imai・K. Ito・T. aoki(Tohoku Univ.)・J. Uemoto・S. Uratsuka(NICT)
P	16	Initial interpretation of landslide disaster areas in the 2018 Eastern Hokkaido Iburi earthquake by dual-polarization satellite SAR images	○T.Ozawa・H.Hashiba・M.Sonobe(Nihon Univ.)
P	17	The long-term analysis of Himawari8 weather satellite cloud data at Japan area	○T. Kadowaki・N. Lagrosas ・H. Kuze(Chiba Univ.)
P	18	Determination atmospheric radiance using camera and spectroradiometer	○R. Yamdada・Nofel Lagrosas ・N. Manago・H. Irie・H. Kuze(Chiba Univ.)
P	19	Cloud detection in terms of near ultraviolet satellite measurements	○T.Fujito・S.Mukai(KCGI)
P	20	Gauge Adjusted Global Satellite Mapping of Precipitation (GSMaP_Gauge)	○Tomoo Ushio・Tomoaki Mega(Tokyo Metr. Univ.)
P	21	Comparison of summer and winter nighttime cloud cover values over Chiba from ground-based camera and Atmospheric Infrared Sounder (AIRS)	○N. Lagrosas・H. Kuze(Chiba Univ.)
P	22	Observation of the geothermal area in Hakone Volcano (Owakudani) using an airborne sensor (STIC:ARTS-SE's camera systems)	○Tetsuya Jitsufuchi(NIED)
P	23	Image registration for multi-band images taken by ONC-T onboard Hayabusa2 based on a template matching approach with cross-correlation	○T. Kouyama(AIST)・E. Tatsumi(Univ. Tokyo)・C. Honda(Aizu Univ.)・R. Honda(Kochi Univ.)・T. Morota(Nagoya Univ.)・Y. Yokota(JAXA)・S. Sugita(Univ. Tokyo)・S. Kameda(Rikkyo Univ.)・M. Yamada(Chiba Tech.)・H. Suzuki(Meiji Univ.)・N. Sakatani・M. Hayakawa・H. Sawada(JAXA)・Y. Cho(Univ. Tokyo)・M. Matsuoka(JAXA)・K. Yoshioka(Univ. Tokyo)
P	24	Simulated image generation for creating geospatial information on ALOS-3	○T. Tadono・Y. Mizukami・A. Oka・H. Watarai(JAXA)・J. Takaku・M. Doutsu・F. Ohgushi(RESTEC)
P	25	Estimation of ice flow velocity of Shirase Glacier and its surrounding landfast ice displacement in East Antarctica using ALOS-2/PALSAR-2 image	○K. Nakamura(Nihon Univ.)・Shigeru Aoki(Hokkaido Univ.)・Tsutomu Yamanokuchi(RESTEC)・Takeshi Tamura・Shuki Ushio・Koichiro Doi(NIPR)
P	26	Detection of the Forest Damaged by Typhoon 21 in 2018 using UAV	◯Y. Yone・Y. Okada・C. Aoki(Shimane Univ.)・K. Takada(CRRN)
P	27	Disaster prevention using InSAR time series analysis	○T. Nakamura・S. Rokugawa(Univ. Tokyo)
P	28	Evaluation of the relationships between errors of DEM of TerraSAR-X estimated by the fixed ground objects and the number of looks	○Takashi Nonaka・Tomohito Asaka・Keishi Iwashita(Nihon Univ.)
P	29	Observing solar-induced chlorophyll fluorescence from GOSAT	○H. Oshio・Y. Yoshida・T. Matsunaga(NIES)
P	30	Relation between Air Pollution in New Delhi and Agricultural Burning in the Suburbs	○F. Ochiai・K. Muramatsu(Nara Women's Univ.)・M. Daigo(Doshisha Univ.)
P	31	Correlation between radar backscattering coefficient in L-band over forest and dielectric constant of tree trunk	○Manabu Watanabe(Tokyo Denki Univ.)・Akira Kato(Chiba Univ.)・Hiroyuki Wakabayashi(Nihon Univ.)・Masanobu Shimada(Tokyo Denki Univ., JAXA)
P	32	Fundamental analysis for the micro-topographical classification in the Ili Delta of Balkhash Lake by SAR and DSM data	○Y. Nakayama(Nihon Univ.)・A. Sato(Univ. Tokyo)・K. Endo(Nihon Univ.)・T. Sugai(Univ. Tokyo)
P	33	Extraction of Deforestation area using ALOS-2/PALSAR-2 HH polarization and Sentinel-2A	○Y.Mizukami・T.Tadono・T.Uchimura(JAXA)
P	34	Bamboo mapping over Shikoku Island using Sentinel-2/MSI	○M. Matsuoka・R. Toyonaga・M. Takao(Kochi Univ.)
P	35	Utility validation of stem volume mapping of evergreen conifer forest using airborne LiDAR data	○Yoshio Awaya・Yasuyuki Maruya・Kazuho Araki(Gifu Univ.)・Yoshiaki Hioki(Gujyo City)・Shimpei Kawaguchi(Gifu Pref.)
P	36	Producing reference data sets for validation of global land cover map using volunteered geographic information	○N.Soyama(Tenri Univ.)

Poster Session (2) (Room P, November 28th(Wed.) 13:30-15:00 (P37)-(P73)) (Core Time: Odd numbers 13:30-14:10／Even numbers 14:20-15:00)			
P	37	Motion detection in multispectral satellite image	○T.Yamada・A.Iwasaki(Univ. Tokyo)
P	38	Extraction of flood areas and accuracy evaluation by the 2018.07 heavy rainfall using satellite image after disaster	○M.Sonobe・H.Hashiba(Nihon Univ.)
P	39	Solar panels detection by spectral pattern from Landsat-8 imagery	○H. Miyamoto・R. Nakamura・A. Oda(AIST)
P	40	Pansharpening of Landsat-8 images via Convolutional Neural Network	○Kento Doi・Akira Iwasaki(Univ. Tokyo)
P	41	Feasibility study of the spatial analysis of vegetation distributions in an expanding city	○Hamdani Sirait(Setsunan Univ.)・Hitoshi Uematsu(Kyoto City)・Kiichiro Kumagai(Setsunan Univ.)
P	42	Toward development of terrestrial vegetation monitoring data set using Himawari-8 data	○K. Hayashi・K. Ichii・K. Murakami(Chiba Univ.)・H. Yoshioka(Aichi Pref. Univ.)・K. Nasahara・T. Akitsu(Univ. Tsukuba)・R. Ide(CGER)
P	43	Analysis of ASTER/FRP images around Kashima Coastal Industrial Zone	○Y. Oguri・H. Tonooka(Ibaraki Univ.)
P	44	Time-series analysis of urban heat island for small and medium-sized cities in China using MODIS images	○M. Liu・H. Tonooka(Ibaraki Univ.)
P	45	Observation of the Earth Surface Temperature and Crops at the Tanashi Farm	○Y.Uchida・K.Fukushima(Nihon Univ.)・S.Hashida・S.Kawabata(Univ. Tokyo)・T.Sugimura(Nihon Univ.)
P	46	Visualization of urban thermal environment in Tokyo by Himawari-8-Comparison of temperature by Himawari-8 and AMeDAS in summer-	○S.Suzuki・Y.Uchida・T.Asaka・T.Nonaka・T.Sugimura(Nihon Univ.)
P	47	Feasibly study for spatial analysis of demographics on a regional scale	○Y.Kameda・K.Kumagai(Setsunan Univ.)
P	48	Development of a multi-point and multi-temporal reference dataset "SACLAJ" for land cover study	○J. Katagi・K. Nasahara(Univ. Tsukuba)・M. Dotsu・K. Imamura・T. Yamanokuchi(RESTEC)・T. Tadono(JAXA)
P	49	Impact of heatwave in summer 2018 on terrestrial vegetation in East Asia	○K. Ichii・K. Murakami・Y. Hayashi・Z. Liu(Chiba Univ.)
P	50	Proposal of method for the discrimination of chinquapin tree by referring blooming phenology	○S. Nagai(JAMSTEC)・K. Nasahara(Univ. Tsukuba)・Y. Onoda(Kyoto Univ.)・K. Kajiwara・Y. Honda・Y. Uda(Chiba Univ.)
P	51	Multi-sensor monitoring of vegetation dynamics in tropical and temperate regions	○T. Miura(Univ. Hawaii, JAMSTEC)・S. Nagai(JAMSTEC)
P	52	Classifying the heat source of hotspot detected from Landsat 8 OLI data	○S. Kato(RESTEC, AIST)・H. Matsushita・A. Oda・H. Miyamoto・R. Nakamura(AIST)
P	53	Experiment approach for Quality Assessment of UAV LiDAR data	○T.Asaka・N.Furuta・Koushiro Nakamura・Takashi Nonaka・Toshiro Sugimura(Nihon Univ.)
P	54	Detection of flooded area using Pi-SAR X2 images and GIS data	○S. Kojima・Y. Arima(NICT)・K. Yamomoto(Aero Asahi)・K. Zettsu(NICT)
P	55	Estimation of the Number of Rice Harvest Times in the Chao Phraya River Basin Using Sentinel-2A/MSI	○A. Kato・S. Ito・Y. Oguro ・T. Konishi (Hiroshima Inst. of Tech.)
P	56	Estimation of the deformation due to the 2018 Hawaii's Kilauea eruption using ALOS-2 images	○W. Liu・F. Yamazaki(Chiba Univ.)
P	57	The reproducibility of gross primary production estimation from GPP capacity and Canopy conductance index in dry area	○K. Muramatsu(Nara Women's Univ.)
P	58	Assessing the relationships between electric conductivity and salinity index for soil salinity mapping of rice paddy field in Northeast Thailand	○M. Maki(Tohoku Inst. of Tech.)・Supranee Sritumboon(LDD)・Mallika Srisutham(Khon Kaen Univ.)・Koshi Yoshida(Ibaraki Univ.)・Koki Homma(Tohoku Univ.)
P	59	Possibility of crack detection in agricultural irrigation facilities using drone imagery	○T. Satoh・A. Sekiyama・S. Simada(TUA)・K. Ochiai(KSK)
P	60	Biomass estimation using microwave remote sensing in Mongolian grasslands	○H. Hashimoto・A. Sekiyama・S. Shimada(TUA)
P	61	Determination of tropical forests parameters in gross primary production capacity estimation algorithm in Brazil	○A. Wakai・K. Muramatsu(Nara Women's Univ.)
P	62	Classifying conditions of transplanting paddy and transplanting date by Sentinel-1 data	○T.Tosa・C.Hongo・E.Tamura(Chiba Univ.)・G.Sigit(DISTAN, West Java Province)・B.Barus(Bogor Agri. Univ.)
P	63	Grasp of occurrence condition by Bacterial Leaf Blight disease using multispectral image	○Yusuke Takahashi・Chiharu Hongo・Eisaku Tamura(Chiba Univ.)・Gunardi Sigit(DISTAN, West Java Province)・Baba Barus(Bogor Agri. Univ.)
P	64	Estimation of rice yield affected by Bacterial leaf blight and blast disease	○S. Nakamura ・C. Hongo(Chiba Univ.)・G.Sigit(DISTAN, West Java Province)・R. Yudarwati・B. Barus(Bogor Agri. Univ.)・B. Utoyo(DISTAN, West Java Province)
P	65	Monitoring surface temperature of the Arctic's six largest river using GCOM-C/SGLI thermal infrared data	○M. Hori(JAXA)
P	66	A study on the estimation of the chlorophyll-a concentration in the Uwa Sea by Landsat-8/OLI data (Part 2)	○Y. Oguro・T. Konishi・S. Ito・C. Miura(Hiroshima Inst. of Tech.)
P	67	Spectral reflectance properties and the estimation of chlorophyll a concentration in Lake Koyama-ike under red tide bloom conditions	○Y. Sakuno(Hiroshima Univ.)・A. Maeda(Tottori pref.)・S. Ono(Fujifilm Co.)・A. Ito(NTT docomo)
P	68	Sea surface chlorophyll a concentration and current path variations of the Kuroshio along the southern coast of Japan	○T. Kameda・T. Setou(NRIFS)
P	69	Radar cross section measurement of ocean surface backscattering using X-band airborne SAR	○A. Nadai(NICT)
P	70	Possibility of nutrient estimation by estimating water quality data from satellite	○K.Ono・Y.Sakuno(Hiroshima Univ.)
P	71	Feasibility study of coastal plastic garbage detection using near infrared reflectance data	○M. Morimoto・Y. Sakuno(Hiroshima Univ.)
P	72	Validation of SGLI data using AERONET-OC in Ariake bay	◯K.KATANO・M.Toratani(Tokai Univ.)・J.Ishizaka(ISEE)
P	73	Classification of lakes based on seasonal change in water-air temperature difference using the satellite-based lake and reservoir temperature database in Japan (SatLARTD-J)	○Y. Mizoguchi・H. Tonooka(Ibaraki Univ.)