Announcement
The 61st Autumn Conference of the Remote Sensing Society of Japan

The 61st Autumn Conference of the Remote Sensing Society of Japan will be held on 1-2 November 2016 at the Niigata TERRSA,Japan.

1. Date: 1-2 November, 2016

2. Venue: Niigata TERRSA (Kinrousha Sougou Fukushi Center)
            Address: 185-18 Shumoku, Chuou-ku, Niigata, 950-1141 Japan
            (Access :   http://www.n-terrsa.jp/access/)

3. Registration Fee:
        Member 5,000 Yen, Student Member 2,000 Yen, Non-Member 7,000 yen, including a CD-ROM of
        Proceedings. (Registration fee of the presenters of Special session, the members of Transdisciplinary
        Federation of Science and Technology, Korean Society of Remote Sensing or Chinese Society of
        Photogrammetry and Remote Sensing are as same as the Member and Student Member fees)
        5,400 Yen for a Proceedings(CD-ROM) only.
        No registration free for undergraduate and graduate students to attend sessions only (no proceedings).

4. Anouncement for Speakers
    < Oral presentation instrument >
        The total of 15 min. for an oral presentation including discussion. A first bell is at 8 min, and second bell
        is at 10 min. to complete presentation.
        Oral presenters need to bring and use your own computers for presentation. A PC projector will be
        available for your presentation
    < Poster presentation instrument >
        The size of Poster board is W90cm x H180cm. This board is best for a poste in A0 size but it is available
        for a B0-size poster because there ia a large distance between two boards.
        Application Posters can be display on the board during two days.
        A core time of presentation is 40 min. During your core time, you should stand by your poster and present
        it.

5. Time Table and Programs
        Please see next page.

6. Other Information:
        ・ Banquet will be held on the 1st November, after completing sessions
        ・ This conference is supported by the Convension Subsidies Program from Niigata prefecture and
          Niigata city.

The 61st Autumn Conference of the Remote Sensing Society of Japan
⟨Place: Niigata TERRSA⟩

November 1st (Tue.)

Time	Room A	Room B	Note
10:00 (45) 10:45	**Special Session** What is solar-induced fluorescence (SIF) of vegetation? (S1)–(S7)	Application (U1～U3)	Poster Preparation (9:00～13:00) / Research Group Poster / Exhibition
		Rest Time (15min.)	
11:00 (60) 12:00		System (B1～B4)	
	Rest Time (60 min.)	Board of Councillors (～13:00)	
13:00 (100) 14:40	Poster Session(1) (P1)–(P30) Application Poster Session (U4)–(U11)	Core Time Odd Num. 13:00–13:40 Even Num. 14:00–14:40	
	Rest Time (10min.)		
14:50 (60) 15:50	**Special Presentation** Earth Observation by Polarimetric RADAR		Poster Removal (14:50～17:5)
	Rest Time (10min.)		
16:00 (100) 17:30	**Special Session ⟨Open⟩** Toward the integration of IoT and Remote Sensing	Land(1) (B5～B10)	
	Rest Time (15min.)		(～17:30)
17:45 (120) 19:45	Banquet		

November 2nd (Wed.)

Time	Room A	Room B	Note
9:30 (75) 10:45	Snow/Ice (A1～A5)	Atmospher (B11～B15)	Poster Preparation (9:00～13:00) / Research Group Poster / Exhibition
	Rest Time (15min.)		
11:00 (60) 12:00	SAR (A6～A9)	Land2 (B16～B19)	
	Rest Time (60 min.)		
13:00 (100) 14:40	Poster Session(2) (P31)–(P61) Application Postaer Session (U4)–(U11)	Core Time Odd Num. 13:00–13:40 Even Num. 14:00–14:40	
	Rest Time (10min.)		
14:50 (60) 15:50	**Special Session ⟨Open⟩** Possibility of Satellite Data Utilization for Large-Scale Disasters	Observation instrument (B20～B23)	Poster Removal (14:50～15:50) (～15:50)
		休憩(15分)	
16:00 (60) 17:00		Land(3) (B24～B27)	

Reception : 2F Lobby
Room A : 3F Large Meeting Room (DAI-KAIGISHITSU)
Room B : 2F Special Meeting Room (TOKUBETSU KAIGISHITSU)
Room P : 2F Medium Meeting Room (SHO-KAIGISHITU)
Exhibitions : 2F Lobby
Research Groop Poster : 2F Medium Meeting Room (Room P)
Board of Councillors : 2F Special Meeting Room (Room B)
Director's Room : 2F Small Meeting Room (2)
Banquet : 2F Restaurant GAMBARE

The 61th Spring Conference of the Remote Sensing Society of Japan　2016.10.8

Water/Ice　(Room A, November 2nd (Wed.) 9:30-10:45)

A	1	An attempt on simultaneous estimation of oil film thickness and temperatures using ASTER/TIR images (3)	○Y.Takahashi, H.Tonooka
A	2	Bathymetric retrieval in shallow water using hyperspectral sensor	○S. Kakuta, E. Ariyasu, Y. Numata, T. Takeda
A	3	Observation of fast ice discharge event on Lützow-Holm Bay by satellite data	○T.Yamanokuchi, K.Doi, K.Nakamura, S.Aoki, K.Shibuya
A	4	Area change analysis of small glacial lakes in short periods using ALOS-2 and Landsat-8	○H. Nagai, T. Tadono, S. Suzuki
A	5	Detection of permafrost degradation in far northeastern Siberia using multiple sensors	○T. Sakai, T. Matsunaga, S. Maksyutov, S.Gotovtsev, L. Gagarin, T. Hiyama, Y. Yamaguchi

SAR　(Room A, November 2nd (Wed.) 11:00-12:00)

A	6	A correction of ionospheric effects on InSAR using POLSAR data	○S.Ito, H.Kimura
A	7	Comparison of Volume Scattering Models for POLSAR Data Analysis	○T.Tsuzuki, H.Kimura
A	8	Backscattering analysis for the 2015 Kinu River flood using ALOS-2 PALSAR-2	○Y. Kwak, Y. Iwami
A	9	Development of early deforestation detection algorithm (advanced) with PALSAR-2/ScanSAR for JICA-JAXA program (JJ-FAST)	○Manabu Watanabe, Christian Koyama, Masato Hayashi, Yutaka Kaneko, Masanobu Shimada

System　(Room B, November 1st (Tue.) 10:00-10:45)

B	1	An applicability of feature composite moving image inducing visual illusion for UAV-based concrete surface inspection	○T.Yamashita, S.Katsuo, K.Nakamura, K.Hirota, H.Kojima, H.Ohwada
B	2	Proposal of texture information usage in high-resolution image classification	○K.Yakuwa, K.Nakamura, H.Wakabayashi
B	3	A flexible data receiving system for the small earth observation satellite providers	○H.Yokotsuka
B	4	Download and correction system for Himawari-8 data	○T. Nemoto, M. Kitsuregawa

Land(1)　(Room B, November 1st (Tue.) 16:00-17:30)

B	5	Estimating leaf chlorophyll content of deciduous species using hyperspectral reflectance	○R. Sonobe, Q. Wang
B	6	An observational study of canopy temperature in paddy field by UAV remote sensing	○K.Tanaka, A.Hama, A.Kondoh
B	7	Growth parameters estimation of rice plant by UAV remote sensing (1)	○A.Hama, K.Tanaka, A.Mochizuki, T.Hirata, H.Arai, R.Yawata, Y.Higuchi
B	8	Growth parameters estimation of rice plant by UAV remote sensing (2)	○A.Kondoh, A.Hama, K.Tanaka, A.Mochizuki, T.Hirata, H.Arai, R.Yawata
B	9	Long term monitoring of paddy rice using full polarimetric ground-based circularly polarized synthetic aperture radar	○Y. Izumi, T. Watanabe, M. Z. Baharuddin, S. Demirci, H. Yang, J. T. Sri Sumantyo
B	10	Spectral algorithms for optical satellite sensors and their application to smart agriculture.	○Y. Inoue, M. Yokoyama, E. Sakaiya, H. Goto, Y. Ohshita, N. Maki, K. Nakamura

Atmospher　(Room B, November 2nd (Wed.) 9:30-10:45)

B	11	Fluorescence properties of atmospheric aerosol detected by lidar　Strong fluorescence from liquid aerosol layers	○. Shiraishi, M. Hayashi, K. Mizutani, M. Yasui, A. Takami, A. Yoshino
B	12	Biomass burning aerosols from space and/or ground	○M. Yasumoto, S. Mukai
B	13	Report of vicarious calibration for GOSAT in Railroad Valley, NV, Dependence of spectral reflectance relation to BRDF and solar phase angle	○T. Arai, T. Arai, T. Matsunaga
B	14	Behavior of iterative solutions of surface reflectance and optical depth　in simultaneous estimation method	○Y.Iikura, N.Manago, H.Kuze
B	15	Estimation of land surface emissivity for atmospheric modeling data assimilation	○N.Hirose

Land(2)　(Room B, November 2nd (Wed.) 11:00-12:00)

B	16	A proposal of causal and trigger factor influence maps according to slope failure types and pairwise comparative strategy	○Yosuke SEKINE , Hirohito KOJIMA
B	17	Damage assessment of urban areas due to the 2015 Nepal earthquake using TerraSAR-X imagery	○R. Bahri, W. Liu, F. Yamazaki
B	18	Initial validation of the 30 m-mesh global digital elevation dataset (AW3D30) by PRISM	○T. Tadono, H. Nagai, H. Ishida, F. Oda, S. Naito, K. Minakawa
B	19	Effect of De-noising Filters in Increasing the Consistency of NDVI Time Series Data : Case Study of Indonesia	○Sanjiwana Arjasakusuma, Y.Yamaguchi

Observation instrument　(Room B, November 2nd (Wed.) 14:50-15:50)

B	20	Development of visible and near infrared camera system for mounting on small UAV and its application to paddy observation	○T.Terui, K.Nakamura, H.Wakabayashi
B	21	Development of Vibration and Valiance monitering Radar VirA	○Hitoshi Nohmi, Shigekazu Sakai, Yasunao Matsumoto, Su Di, Tomonori Nagayama, Ikuo Shirai , Osamu Kujibu
B	22	Onboard Calibration Status of ASTER TIR ? Second Report	○F. Sakuma, M. Kikuchi, H. Ono
B	23	Calibration and validation activities for ALOS-2/CIRC and CALET/CIRC	○H. Tonooka, M. Asaki, T. Sugamiya, M. Sakai, K. Nakau, A. Kumeta, S. Kato

Land(3)　(Room B, November 2nd (Wed.) 16:00-17:00)

B	24	Evaluation of creating conditions for land-use and land-cover maps using Landsat-8 OLI	○M. Ishihara, K. Nasahara , T. Tadono
B	25	Updates of JAXA high resolution LULC map in Japan (Version 16.09)	○J. Katagi, K. Kobayashi, T. Tadono, K. Nasahara
B	26	Development of "SACLAJ" a multi-temporal ground truth dataset of land cover	○K. Kobayashi, K. Nasahara, T. Tadono, F. Ohgushi, M. Dotsu, R. Dan
B	27	Fundamental study on land-cover classification using multi-polarized SAR data with textural measures	○N.Samuta, W. Liu, F. Yamazaki

Special Session　(Room A, November 1st (Tue.) 10:00-12:00)

S	1	A history of chlorophyll fluorescence imaging -from cell to global observation-	○Kenji Omasa
S	2	Photosynthesis and chlorophyll fluorescence	○K. Hikosaka
S	3	SIF observed by satellite remote sensing and future perspective	○Hibiki M. Noda,
S	4	Development of a new plant canopy sun-induced chlorophyll fluorescence model that is capable of incorporating various leaf-level models	○H. Kobayashi, H. Kobayashi, Wei Yang
S	5	Stand-off measurement of vegetation fluorescence on the canopy level under insolation	○Kenji Kuriyama, Naohiro Manago, Koki Homma, Hiroaki Kuze
S	6	Ground measurement of SIF: example in crop land and forests	○T. Kato, K. Tsujimoto, K. Nasahara, T. Akitsu, J. Asanuma, K. Ono, A. Miyata
S	7	Air-borne LIFS (Laser-Induced Fluorescence Spectrum) lidar for satellite (FLEX) vegetation fluorescence monitoring	○Y. Saito, T. Tomida, K. Mizatani, K. Shiraishi

Application　(Room B, November 1st (Tue.) 10:00-10:45)

U	1	Expansion of Artistic Expression by using ALOS-2	○M. Ohki, H. Suzuki
U	2	Damage evaluation and 3D modeling of the 2016 Kumamoto earthquake by UAV flights	○K.Kubo, R.Tanabe, F.Yamazaki
U	3	Deep learning for tree classification using airborne hyperspectral data	○S. Odagawa, T. Takeda

U	4	Geological interpretation for Sn-W exploration using DEM slope image in Tanintharyi Division, Myanmar.	○M. Mitsuishi, T. Tanaka, H. Nakamura
U	5	Road crack classification using Convolutional Neural Network for road surface condition	○T.Shinohara, Yonghe Li, Mitsuteru Sakamoto, Toshiaki Satoh
U	6	Hyperspectral image classification based on Boosted Rotation Forest	○J.XIA, A.IWASAKI
U	7	Recognition of Washed Away Buildings Using Deep Learning based on High Resolution Satellite Images Captured after The Great East Japan Earthquake	○Y.Ishii, M.Matsuoka, R.Nakamura, S.Hikosaka, T.Imaizumi, A.Fujita, R.Ito
U	8	Estimation of an Optical Image from a Polarimetric SAR Image Using a Relational Model	○T. Toizumi, H. Toriya, K. Senzaki, Y. Senda
U	9	Operational use of remote sensing and GIS for production management of brand-name rice	○E.Sakaiya, R.Mikami, H.Ono, M.Terada, K.Suto, Y.Inoue
U	10	Detection of wildlife by using airborne sensor system ~ Use of LP data ~	○S.Miyasaka, A.Tamura, N.Yoshida, S.Unome, Y.Osaki, H.Kitani
U	11	Teaching practice and evaluation of science and technology education using interferometric SAR processing and outcomes	○Y. Ito, H. Ikemitsu

Poster Session (1) (Room P, November 1st (Tue.) 13:00–14:40 (P1)–(P30))

(Core Time : Odd numbers 13:00–13:40／Even numbers

P	1	The Study on Applicability of InSAR Analysis to Measuring Displacement of Fill Dams	○Yasunari morita, Daisuke sango, Sho shimizu, Yoshikazu fukushima, Kazuo yoshikawa, Hiroyuki sato, Aoi onodera
P	2	Comparison of an ALOS-2 / PALSAR-2 decomposition image with a SPOT image for crop type classification	○C. YONEZAWA
P	3	Fundamental study on soil moisture variations under vegetation influencing L-band SAR backscatter ? implementations for the development of an advanced forest monitoring system	○C. Koyama, M. Watanabe, M. Sato, K. Schneider, M. Shimada
P	4	A Study for Surface Rupture Extraction Methodology by Combining DInSAR Results and Terrain Representation Images	○D.Sango, M.Omata, Y. Kohriya
P	5	Ground deformation measurement by InSAR time-series analysis using GPS data	○S. Rokugawa, T. Nakamura
P	6	PS Points Corresponding and Displaying System Using Digital Surface Model	○H. Toriya, K. Senzaki, M. Tsukada
P	7	Monitoring tundra lake ice using C-band synthetic aperture radar	◯Y. IKeura, K. Nakamura, H. Wakabayashi
P	8	Evaluation of phase noise of TerraSAR-X data by Interferometric technique	○T. Nonaka, T. Asaka, K. Iwashita, F. Ogushi
P	9	Conceptual study on next generation X-band airborne synthetic aperture radar system	○S.Kojima, T.Kobayashi, T.Matsuoka, T.Umehara, J.Uemoto, A.Nadai
P	10	Recent variations of glacial lakes in the northern Tien Shan	M. Daiyrov, ○C. Narama, Y. Mori, Tsutomu Yamanokuchi, Takeo Tadono
P	11	Study of monitoring method for landslides in Niigata , Nagano, and Kumamoto prefs., using ALOS-2/PALSAR-2 data	○S.Satou, C.Narama, T.Yamanokuchi, T.Tadono
P	12	Method of display for results of ground surface deformation analysis	○T. Nakamura, S. Rokugawa
P	13	Time series monitoring of ground deformation in Bangkok, Thailand	○T.Miyashita, Y.Nakayama
P	14	The Application of Interferometry SAR Data Analysis and Particle-based Simulation for Landslide Disaster Observation (Study Case in Kumamoto Prefecture)	○Yessy Arvelyna, Sato Takayoshi, Tomita Kunihiro, Hosomi Koichi, Itoh Hanae
P	15	Study of classification of spectral reflectance characteristics and estimation of chlorophyll-a concentration and turbidity using in-situ observation data	○S. Nahara, T. Shimomai
P	16	Attempt of estimation method of Chl-a concentration in the brackish by using of MODIS and comparison of atmospheric correction method	○J.Nagatomi, J.Nagatomi, T.Shimomai
P	17	Applicability of the spatial features of vegetation distributions to urban structure analysis	○Y.Matsuda, H.Uematsu, K.Kumagai
P	18	Optical properties in the sea ice for fluorescence observation of ice algae in lagoon Saroma-ko	○K. Asakuma, T. Nakatani, N. Kida
P	19	Efficiency of aerosol retrieval system	○T. Fujito, S. Mukai, M. Nakata
P	20	Possibility of cloud discrimination of satellite images by the deep learning	○J. Yamamoto, H. Tonooka
P	21	Development of quick-look production program for Landsat 8 OLI images as an open source software	○K.Kon, Y.Iikura
P	22	The impact of the different generation procedures of support vectors against GOSAT-2 CAI-2 L2 cloud discrimination	○Y. Oishi, H. Ishida, R. Kudo, T. Yamagishi, T. Y. Nakajima
P	23	A comparison of land-cover classification maps for satellite image processing	○R.Ishioka, Y.Iikura
P	24	Multiframe image processing using Himawari-8 2.5 minutes interval Images	○T.Sugimura, Y.Uchida, S.Aoyama, T.Asaka
P	25	Spectral parameters estimation for high-resolution wind profiler radars	○M. K. Yamamoto, S. Kawamura, H. Okamoto, Y. Fujiyoshi
P	26	Characteristics of the land surface temperature distribution in central Tokyo by high-resolution satellite and LANDSAT thermal data	○Y. Nakayama
P	27	Producing reference data sets for global land cover validation using FLUXNET information	○N.Soyama
P	28	Experimental Observation of Surface temperature in Hakone Volcano (Owakudani) using the Airborne Radiative Transfer spectral Scanner for a Single-Engine aircraft (ARTS-SE)	○T. Jitsufuchi
P	29	Evaluation of the value of the forest in 23 wards of Tokyo by hedonic approach	○Yusuke Kobayashi, Hideyuki Fujii, Aya Yamamoto
P	30	Similarity of the characteristic terrain by various geospatial informarion and urbanization	○K.Isobe, T.Sugimura

Poster Session (2) (Room P, November 2nd (Wed.) 13:00–14:40 (P31)–(P61))

(Core Time : Odd numbers 13:00–13:40／Even numbers 14:00–

P	31	Estimation of the number of floors in a low-rise residential area by shadow analysis of a high-resolution image and 3D modeling	○Y. Kurebayashi, H. Tonooka
P	32	Practical use of red relief map for LiDAR data processing	○Zhang Naijia
P	33	Methodology Development of Land Category Change Detection	○L. Zhu, T. Furuichi
P	34	Validation of extraction methods of marine debris in the Sea of Japan using satellite images	○T. Aoyama
P	35	A Study for Monitoring Rice Growth using a Small Laser-Scanner onboard a UAV System	○N.Odaka, K.Takahashi
P	36	The archaeological investigation of the central Jawa applying the advanced remote sensing technology	○K.Inoue, Josaphat Tetuko Sri Sumantyo, Agus Hartoko
P	37	Spatial distribution and development of mountain permafrost in the northern Tien Shan	○H.Takadama, C.Narama, Y.Mori, A.Yamamura, N.Tomiyama, T.Yamanokuchi,
P	38	A study of rice growth monitoring by the small laser scanner	○Yusuke Ichikawa, Kazuyoshi Takahashi, Yasuhiro Higuchi
P	39	Drone-based remote sensing of crops and soils and its application to smart agriculture.	○Y. Inoue, M. Yokoyama, Y. Ohshita, D. Miyama, H. Goto, K. Ote
P	40	The distribution of rockfall and topographic change in Shirouma-Daisekkei, the Northern Japanese Alps	H.Hata, ○C.Narama, K.Fukui
P	41	Annual mass balance of mountain glaciers in the Northern Japanese Alps	○R.Yamamoto, C.Narama, K.Fukui
P	42	Investigation on recalibration of ASTER/TIR in a low temperature range	○M. Asaki, H. Tonooka
P	43	An attempt on cross calibration between Terra and Aqua/MODIS in the 10 to 13 μ m region	○T. Sugimiya, H. Tonooka
P	44	An attempt on thin-ice classification using thermal infrared multispectral images（3）	○R. Susa, H. Tonooka
P	45	Relationship between factors responsible for air temperature dropping and pervious surface distributions around observation points	○K.Iwata, H.Uematsu, K.Kumagai
P	46	A study on the compatibility of the brightness temperatures between Himawari-8/AHI and Landsat-8/TIRS	○Y.Oguro, S.Ito, T.Konishi, K.Tsuchiya
P	47	Analysis of thermal environment in center region in Tokyo by using Worldview-3 image and LANDSAT-8/TIRS image.	○J.Muramoto,
P	48	Monitoring of plume activity of the 2013-2015 Nishinoshima eruption with satellite optical sensors	○Keiichi Fukui
P	49	Detection of thermal anomaly using Sentinel-2A data	○S. Kato, R. Nakamura
P	50	A Study of the Method for Estimating Seasonal Changes of NDVI in a Paddy using Multi-Years MODIS images	○A.Iwamochi, K.Takahashi
P	51	Rice field extraction using DTW on time-series of MODIS NDVI data	○F. Mahmood, A. Kondo, A. Kimura, K. Mochizuki
P	52	Classification of agricultural land including unused area in Kushiro river basin using Landsat-8 OLI surface reflectance	○A. Sakuma, S. Kameyama, S. Ono, T. Kizuka, H. Mikami
P	53	A study of image-classification method using Landsat images for developing "a map of rice-planted area"	○T.Sakamoto, K.Okamoto, N.Ishituka, David Sprague
P	54	Forest type classification over Gujyo city using NDVI based on phenology	○Yoshio Awaya
P	55	An algorithm of estimating gross primary production : Focus on using the weather data based on climate model	○K.Muramatsu, K. Mabuchi, N. Soyama
P	56	Development of global gross primary production capacity estimation algorithm : consideration of detecting condition for Chlorophyll Index data with outlier	○E. Yoneda, K. Muramatu
P	57	Change detection method of JICA-JAXA Early Warning System in the Tropics	○T.Ogawa, K.Ishii, M.Shimada, Manabu Watanabe, Y.Kaneko, T.Watanabe, M.Hayashi
P	58	Understanding of forest structure using full waveform LiDAR data	○Y.Maeda, A.Fukushima, K.Honda, Y.Imai
P	59	Thematic mapping of bamboo forest distribution using multi-temporal Landsat-8 OLI data and Random forest classification algorithm	○N. Hara, H. Shimazaki
P	60	Time series evaluation of vegetation restoration from Sumatra earthquake disaster by using different resolution satellite remote sensing	○K.Yoshihara, H.Hashiba
P	61	Determination of bamboo forest distribution in Keihanna area using multi-temporal Landsat-8 satellite imageries-4	○F.Ochiai, K. Muramatsu, M. Daigo, N. Soyama