



第27回 生研フォーラム「宇宙からの地球環境・災害のモニタリングとリスク評価」 27th IIS forum "Earth observation, disaster monitoring and risk assessment from space"



日時：平成31年3月6日(水) 10:00 - 19:00 / 3月7日(木) 10:00 - 16:00 / 3月8日(金) 10:00 - 16:00

Date: March 6 (Wed.) 10:00 - 19:00, March 7 (Thu.) 10:00 - 16:00, March 8 (Fri.) 10:00 - 16:00

場所：東京大学生産技術研究所（駒場IIリサーチキャンパス）An棟 2階 コンベンションホール（3/6） | As棟 3階 As-301, 302（3/7, 3/8）
Venue: Convention hall (3/6 only), Building As 2F room As-301, 302 (3/7 and 3/8), Komaba research campus, The University of Tokyo
京王井の頭線 駒場東大前駅 または 池ノ上駅 徒歩10分、東京メトロ千代田線・小田急線 代々木上原駅 徒歩15分、小田急線 東北沢駅 徒歩10分
東大・駒場2リサーチキャンパスまでの地図 (<http://www.iis.u-tokyo.ac.jp/access/access.html>) / Access to UTokyo Komaba-II campus
事務局 連絡先：03-5452-6411（竹内渉研究室 直通） / Secretariat Tel: 03-5452-6411

Presentation: 12 mins talk and 3 mins Q&A

キャンパス内に食堂とお弁当や飲み物が購入可能な大学生協があります。 | Restaurant and coop shop available in the campus
イタリアンレストランアペ（An棟1階）での懇親会は実費1,000円を頂いております | 1000JPY for ice breaker party at Italian restaurant Ape (Building An, 1st floor)

Mar. 6 (Wed.), 2019 10:00 - 18:30 @ Building An, 2nd floor, convention hall			
受付開始 An棟2階 コンベンションホール ホワイエ / Registration: Building An, 2nd floor, convention hall			
10:25 - 10:30 Opening ceremony			
Session A (Char: Prof. Masao Moriyama (Nagasaki Univ.))			
A-1	10:30 - 10:45	The surface temperature estimation method from the single channel TIR sensor	Masao MORIYAMA (Nagasaki Univ.)
A-2	10:45 - 11:00	Low cost and transparent MRV system of GHG emissions based on satellite remote sensing data -case study on CH4 emission from the Mekong delta-	Hironori Arai (IIS, UTokyo)
A-3	11:00 - 11:15	The Development of vegetation lidar mission 'MOLI'	Rei Mitsuhashi (JAXA EORC)
A-4	11:15 - 11:30	Monitoring and modeling of terrestrial carbon cycle using JapanFlux data and remote sensing data	Kazuhiro Ichii (Chiba Univ.)
A-5	11:30 - 11:45	Quantitative estimation of soil salinity by visible-near infrared spectroscopy, Minqin Oasis, Northwest China	Qian Tana (Tottori University)
11:45 - 13:00 Lunch break (90 mins.)			
13:00 - 14:30 Poster session (Odd ID number posters) starting with 1 min. briefing talk over tea			
Session B (Chair: Prof. Mitsuharu Tokunaga (Kanazawa Inst. Tech.))			
B-1	14:30 - 14:45	Analysis of meteorological and hydrological change response to the carbon budget in tropical peatlands	Haemi Park (IIS, UTokyo)
B-2	14:45 - 15:00	Analyzing perception of urban air pollution using Google Trends and satellite datasets	Prakhar Misra (IIS, UTokyo)
B-3	15:00 - 15:15	Remote sensing approaches for monitoring mangrove changes and biomass	Tien Dat Pham (RIKEN)
B-4	15:15 - 15:30	Towards a development of a method to estimate tsunami inundation depth using TerraSAR-X data	Hideomi Gokon (ICUS, Utokyo)
B-5	15:30 - 15:45	Applications of Remote Sensing in Monitoring Solar power plants in India	Ram Avtar (Hokkaido University)
15:45 - 16:00 Coffee break (15 mins.)			
16:00 - 17:30 Poster session (Even ID number posters) starting with 1 min. briefing talk over tea			
17:30 - 19:00 Icebreaker party @ ape cucina naturale by ciaobella, Building An, 1st floor			
Mar. 7 (Wed.), 2019 10:00 - 15:30 @ Building As 2F room As-301, 302			
10:00 - 11:30 Hands on training of land cover classification by Google Earth Engine			
11:30 - 11:45 Award ceremony			
11:45 - 13:00 Lunch break (100 mins.)			
Session D (Chair: Mr. Prakhar Misra (UTokyo))			
13:00 - 16:00 Hands on training of land cover classification by Google Earth Engine			
Mar. 8 (Thu.), 2019 10:00 - 15:40 @ Building As 2F room As-301, 302			
Session E (Chair: Mr. Prakhar Misra (UTokyo))			
10:00 - 11:30 Hands on training of land cover classification by Google Earth Engine			
11:30 - 13:00 Lunch break (100 mins.)			
Session F (Chair: Mr. Prakhar Misra (UTokyo))			
13:00 - 15:30 Hands on training of land cover classification by Google Earth Engine			



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平成31年3月6日(水) | Mar. 6 (Wed.), 2019 | 13:00 - 14:30 (奇数/Odd number ID) | 16:00 - 17:30 (偶数/Even number ID)

ポスターセッション 発表一覧 / Poster session

ポスター番号 / Number	題目 / Title	著者 / Authors
P-1	Automated Extraction of Flood for Large Scale Area using Weight Average Otsu's Method from ALOS-2 Dual Polarization and MODIS	Husniyah Binti Mahmud (Yamaguchi University)
P-2	Determination of tropical forests parameters in gross primary production capacity estimation algorithm in Brazil	Aika Wakai (Nara Women's University)
P-3	鉢植え木のNDVI推移による劣化の兆候	Kousuke Hida (Kanazawa Institute of Technology)
P-4	サーモグラフィを用いた土木構造物観測の適用性	Shogo Hamakawa (Kanazawa Institute of Technology)
P-5	Study on Monitoring about The Coastal Environmental Changes in Taketomi Island by Satellite Data	Hana Watari (Yamaguchi University)
P-6	Palm tree detection using transfer learning on UAV images	Vaibhav Katiyar (Yamaguchi University)
P-7	マイクロ波放射計により推定した冠水率の国土数値情報を用いた検証	谷口幸弥 (長崎大学)
P-8	UAVによる植生観測のためのカゲ補正手法開発	岡田康汰 (高知工科大学)
P-9	ボクセルモデルを用いた佐岡実験フィールドにおける森林の3次元構造の把握	須内 洸介 (高知工科大学)
P-10	ボクセルモデルを用いた森林における太陽光反射シミュレーション	藤原 匠 (高知工科大学)
P-11	Long-term land use and land cover changes (1919-2017) in DMZ area Korea: effect on anthropogenic for change landuse landcover	Kim Jae Hyun (Seoul National University)
P-12	人工衛星を用いた10年間の植生変化	花井 洋昭 (高知工科大学)
P-13	3D Modeling of Bridge Parts based on Model Fitting using Point Clouds	Mori Yuki (Shibaura Institute of Technology)
P-14	iBeacon Triangulation Positioning based on Measured Distance Rectification	Koki Yoshizawa (Shibaura Institute of Technology)
P-15	Panorama Camera Calibration for Colored Point Cloud Generation with Multi-layered LiDAR	Kuraki Kiuchi (Shibaura Institute of Technology)
P-16	Development of UAV-borne multi-layered laser scanning systems without IMU	Dobashi Yuho (Shibaura Institute of Technology)
P-17	Development of Convolutional Neural Network in Point Cloud Processing	Satoki Sekiguchi (Shibaura Institute of Technology)
P-18	多視点・多焦点画像を統合した ライトフィールドカメラによる三次元計測	梶原 裕希 (東京大学)
P-19	Processing Speed Improvement on SfM using Panorama Images based on Camera Direction Constraint	Sasaki Yoshiki (Shibaura institute of technology)
P-20	Object Classification during Excurvation Works using TOF Camera Mounted on Construction Vehicle	Masayoshi Kaseda (Shibaura Institute of Technology)
P-21	Performance Evaluation on Single Frequency RTK-GNSS Positioning for Infrastructure Insection using Wearable Sensors	Shigeki Takahashi (Shibaura Institute of Technology)
P-22	Changed Surface Clustering using Temporal Polarimetric SAR data for Monitoring of Osawa Collapse Valley in Mt. Fuji	Shiga Yudai (Shibaura Institute of Technology)
P-23	Validation of integrated forest fire potential model using MODIS product and meteorological data in Japan	Asahi Sakuma (Univ. of Tsukuba & NIES)
P-24	Estimation of discharge of Amazon river using satellite altimetry level data based on embedded Chaos attractors and Bayesian Model Averaging	Nao Harada (IIS, UTokyo)
P-25	Seagrass distribution monitoring at the national scale for Vietnam during 1980s-2010s with Google Earth Engine.	Xuan Truong Trinh (IIS, Utokyo)
P-26	Supply and Demand Analysis of Solar PV as Off-Grid Option in the Asia Pacific Region with Remote Sensing and GIS	Jeark Principe (IIS, UTokyo)
P-27	Remote sensing analysis of the mangrove ecosystem at Zhejiang province in China	Yuhan Zheng (IIS, UTokyo)
P-28	Assessment of biomass burning impact on air quality in Southern Vietnam with WRF-Chem model and MODIS observations	Nguyen Thi Quynh Trang (IIS, UTokyo)
P-29	Assessment of biophysical suitability of Oil palm and its actual yield in Malaysian oil palm plantation	Pegah Hashemvand Khiabani (IIS, UTokyo)
P-30	IRRIGATED-RAINFED RICE AREA MAPPING WITH CLIMATIC PARAMETERS OVER BANGLADESH	Md Rahedul Islam (IIS, UTokyo)
P-31	Assessing Impact of Seasonal Vegetation Dynamic and Drought on Elephant Crop-raiding Outside of Eastern Protected Area in Thailand	Nuntikorn Kitratporn (IIS, UTokyo)
P-32	Energy-urbanization-population nexus in Energy industry of India	Saurabh Tripathi (Hokkaido University)
P-33	Flood Hazard Map of Varanasi, India using SPOT and SRTM data	Deepanshu Agarwal (IIS, UTokyo)

注1: ポスターのフォーマットは特に指定いたしません。 | No specific format. Maximum allowance is A0 portrait size.

注2: 学生さんのポスター発表に対して、参加者皆様の投票を元に、3件の優秀発表を選び表彰を予定しております。 | Three best papers are awarded for students poster session.