



## 第29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」 29th IIS forum "Earth observation, disaster monitoring and risk assessment from space"



Date: March 11 (Thu.) 13:20 - 17:00, March 12 (Thu.) 13:30 - 16:00 (JST=GMT+9)  
 Online via zoom (Day 1, <https://u-tokyo-ac-jp.zoom.us/j/93719661030?pwd=dHhaTlIlekFkaUtjb0dySWhBkY0QT09>, passcode: 123362)  
 Online via zoom (Day 2, <https://u-tokyo-ac-jp.zoom.us/j/95691210443?pwd=WDJlL01wRUJhMlZlZGxud3dkcHdKQT09>, passcode: 023210)  
 Oral presentation: 12 mins talk and 3 mins Q&A  
 Poster presentation: 5 mins pre-record presentation and 5 mins Q&A

Mar. 11 (Thu.), 2021 13:00 - 17:00 ( <a href="https://u-tokyo-ac-jp.zoom.us/j/93719661030?pwd=dHhaTlIlekFkaUtjb0dySWhBkY0QT09">https://u-tokyo-ac-jp.zoom.us/j/93719661030?pwd=dHhaTlIlekFkaUtjb0dySWhBkY0QT09</a> , passcode: 123362)			
13:00 - 13:10		Opening ceremony (Prof. Wataru Takeuchi, Univ. of Tokyo, Japan)	
Pray for 2011 Tohoku earthquake			
Oral session A (Chair: Prof. Jeark Principe, UP Diliman, Philippines)			
O-01	13:10 - 13:25	Development of SGLI shadow index product and its application	Masao Moriyama (Nagasaki Univ., Japan)
O-02	13:25 - 13:40	Project SINAG: Solar PV Resource and Installation Assessment Using Geospatial Technologies	Jeark Principe (UP Diliman, Philippines)
O-03	13:40 - 13:55	Maps of drainage canal in tropical peatlands of Indonesia	Haemi Park (JAXA, Japan)
O-04	13:55 - 14:10	Land Cover Zoning	Kyaw Sann Oo (Technical consultant, Myanmar)
14:10 - 14:20		Coffee break (10 mins.)	
Poster session A (Chair: Dr. Haemi Park, JAXA, Japan)			
P-01	14:20 - 14:30	Assessment of Changes in Shoreline Morphology Using LiDAR and High-Resolution Satellite Image: Case of Cagayan De Oro City, Philippines	Nikki Alen Pasaje (UP Diliman, Philippines)
P-02	14:30 - 14:40	Exploring the Impacts of Community Lockdown due to COVID-19 on Human Activities in Metro Manila Using Spatiotemporal Analysis of Nighttime Light Data	Jonathan Christian F. Aceron (UP Diliman, Philippines)
P-03	14:40 - 14:50	Understanding Maize Growth in Mbita District, Kenya Using Multiple Satellite Products	Hayato NAKAMURA (Nagasaki Univ., Japan)
P-04	14:50 - 15:00	Downscaling of MODIS NDVI by Using a Convolutional Neural Network-based Model with Higher Resolution SAR Data	Ryota Nomura (Univ. of Tokyo, Japan)
P-05	15:00 - 15:10	Satellite-based modeling of gross primary production and net ecosystem exchange in mangrove ecosystems	Zheng Yuhua (Univ. of Tokyo, Japan)
P-06	15:10 - 15:20	Incorporation of SAR and optical remote sensing data for Urban Local Climate Zone classification-case study in Qingpu, China	Xuan Xie (Shanghai Normal Univ., PRC)
P-07	15:20 - 15:30	Risk assessment of rail infrastructure in India to support business continuity plan	Dheeraj Joshi (Univ. of Tokyo, Japan)
P-08	15:30 - 15:40	Estimation of optimal crown coverage and canopy shape for shadow estimation on tropical broadleaf forest	Takumi Fujiwara (Univ. of Tokyo, Japan)
15:40 - 15:50		Coffee break (10 mins.)	
Oral session B (Chair: Prof. Kazuhito Ichii, Chiba Univ., Japan)			
O-05	15:50 - 16:05	Bidirectional reflectance factor observation of Vegetation by SfM using UAV	Ryosuke Murai (Kochi Univ. of Technology, Japan)
O-06	16:05 - 16:20	Opportunities of Satellite-based Observation to explore the effects of COVID-19	Pegah Hashemvand Khiabani (RESTEC, Japan)
O-07	16:20 - 16:35	Development of On-demand Building Mapping Systems	Hiroyuki Miyazaki (AIT, Thailand)
O-08	16:35 - 16:50	Terrestrial monitoring using a new generation geostationary satellite, Himawari-8	Kazuhiro Ichii (Chiba Univ., Japan)
Adjourn			
Mar. 12 (Fri.), 2021 13:00 - 17:00 ( <a href="https://u-tokyo-ac-jp.zoom.us/j/95691210443?pwd=WDJlL01wRUJhMlZlZGxud3dkcHdKQT09">https://u-tokyo-ac-jp.zoom.us/j/95691210443?pwd=WDJlL01wRUJhMlZlZGxud3dkcHdKQT09</a> , passcode: 023210)			
Oral session C (Chair: Prof. Soni Darmawan, ITENAS, Indonesia)			
O-09	13:00 - 13:15	How well does KBDI compare with soil moisture for crops? A cal/val study in Thailand	Prakhar Misra (RIHN, Japan)
O-10	13:15 - 13:30	Damage Assessment of the Beirut Explosion Site in August 2020 by Sentinel1	Etsuko Nakazono (Univ. of Tokyo, Japan)
O-11	13:30 - 13:45	Estimation of Mangrove Biomass using Google Earth Engine Multitemporal Landsat Data	Soni Darmawan (ITENAS, Indonesia)
O-12	13:45 - 14:00	Identification and Prediction of Mangrove Forest Using Markov-Cellular Automata	Soni Darmawan (ITENAS, Indonesia)
14:00 - 14:10		Coffee break (10 mins.)	
Poster session B (Chair: Dr. Misra Prakhar (RIHN, Japan))			
P-09	14:10 - 14:20	Geospatial monitoring of Solar farm expansion in India	Hitesh Supe (Hokkaido Univ., Japan)
P-10	14:20 - 14:30	Tropical forest plantations canopy height changes estimation using TanDEM-X data.	STANLEY ANAK SUAB (Hokkaido Univ., Japan)
P-11	14:30 - 14:40	Detecting Burnt Agricultural Areas over Ludhiana, Northern India using Multiple Remote Sensing Observations	Ardhi Adhary Arbain (Univ. of Tokyo, Japan)
P-12	14:40 - 14:50	Monitoring of ravenous land with the TanDEM-X SAR data in central-north India.	RAVEENA RAJ (Hokkaido Univ., Japan)
P-13	14:50 - 15:00	Country-wide human-elephant conflict risk assessment under future climate-induced changes in Thailand	Nuntikorn Kitratporn (Univ. of Tokyo, Japan)
P-14	15:00 - 15:10	Mean Shift Parameters for Weed Segmentation in Cassava Fields on Unmanned Aerial Vehicle (UAV) Images	Apinya Boonrang (Suranaree Univ. of Technology, Thailand)
P-15	15:10 - 15:20	Correlation Analysis Between NDVI and Precipitation in Mongolia From 2001 to 2019	Guanyu Yan (Univ. of Tokyo, Japan)
P-16	15:20 - 15:30	Land Cover Change Analysis of Metro Manila, the Philippines using Time-Series Landsat Data for 1989, 2004 and 2019	Sirinya Sirikanjanaanan (UP Diliman, Philippines)
P-17	15:30 - 15:40	Seagrass mapping on an intertidal flat at different tide levels using UAV and Sentinel-2	Xuan Truong Trinh (Univ. of Tokyo, Japan)
15:40 - 15:50		Coffee break (10 mins.)	
Oral session D (Chair: Prof. Ram Avtar, Hokkaido Univ., Japan)			
O-13	15:50 - 16:05	Detection of air pollution reduction due to a change of anthropogenic activities after COVID-19 pandemic over south Asia	Sachiko Hayashida (RIHN/Nara Woman's Univ., Japan)
O-14	16:05 - 16:20	COVID-19 lockdown impacts on NOx emission: top-down estimation over North India	Prakhar Misra (RIHN, Japan)
O-15	16:20 - 16:35	Primary sources of Indoor Air pollutants and impact of ventilation on levels observed	Anubha Goel (IIT Kanpur, India)
O-16	16:35 - 16:50	Linkages between Land Use/Land-Cover Change, Climate Change and Incidence of Infectious Diseases	Ram Avtar (Hokkaido Univ., Japan)
16:50 - 17:00		Closing ceremony	