



# 31st IIS forum "Earth observation, disaster monitoring and risk assessment from space"

## 第31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」

Date: March 6, 2023 (Mon.) 13:00 - 17:30 (JST=GMT+9), March 7 2023 (Tue.) 9:30-12:30 (JST=GMT+9)

Venue: S-building presentation room, Komaba research campus, The University of Tokyo (Google map link: <https://goo.gl/maps/pgzNuWYv7SZTnUvx9>)

Presentation time: 12 mins talk and 3mins Q&As

Zoon link: <https://u-tokyo-ac-jp.zoom.us/j/82406795429?pwd=bkFSRk9ZUFVDaDlXKzUvMkRLEpXUT09>

13:00 - 13:10

Opening celemory (Prof. Wataru Takeuchi, The University of Tokyo, Japan)

Session A (Char: Prof. Hasi Bagan, Shianghai Normal University, PRC)

O-01	13:10 - 13:25	Himawari8/AHI land surface reflectance reversal and preliminary evaluation	Wei Li (Chiba University, Japan)
O-02	13:25 - 13:40	AHI-8 SWR Adjustment using CLOT-derived Correction Factor for Solar PV Power Potential Assessment in the Philippines	Marielle Sotto (UP Diliman, Philippines)
O-03	13:40 - 13:55	3D Growth Modeling of Chinese Cabbage with Smartphone-Based Close Range Photogrammetry	Shuai Shao (The University of Tokyo, Japan)
O-04	13:55 - 14:10	Spatiotemporal analysis of ecosystem service value in response to urbanization in Megacity Dhaka, Bangladesh	Md. Alamgir Hossen Bhuiyan (Hokkaido University, Japan)
O-05	14:10 - 14:25	Preliminary Analysis for Mosquito Risk Assessment Using Optical and SAR Data in Kenya	Kazuyuki Ura (Nagasaki University, Japan)
O-06	14:25 - 14:40	Smartphone-based Data Collection and Visualization for Basal Stem Rot Disease in Oil Palm	Daranagama Arachchige Samitha (The University of Tokyo, Japan)
O-07	14:40 - 14:55	The themal environment monotoring of 2022 Europa heat wave using GCOM-C/SGLI	Masao Moriyama (Nagasaki University, Japan)
O-08	14:55 - 15:10	Remote sensing based estimation of national-scale solar power generation in Japan	Shoki Shimada (The University of Tokyo, Japan)

15:10 - 15:30

Coffee break (20 mins.)

Session B (Chair: Prof. Haemi Park, Sophia University, Japan)

O-09	15:30 - 15:45	Assessment of Socioeconomic Impacts of LULC Conversion to Solar Farms Using Remotely Sensed Data: Case of Tarlac and Cebu, Philippines	Jeark Principe (UP Diliman, Philippines)
O-10	15:45 - 16:00	Generating a new land cover product across Siberia by a fusion of global land cover datasets	Beak Munseon (Chiba University, Japan)
O-11	16:00 - 16:15	Evaluation of Himawari-8/AHI surface reflectance using LEO sensors with off-nadir observation mode for terrestrial monitoring applications	Beichen Zhang (Chiba University, Japan)
O-12	16:15 - 16:30	Risk Assessment on Logistics and Business Continuity Planning (BCP) along the Southern Economic Corridor (SEC)	Ngunony Ung (The University of Tokyo, Japan)
O-13	16:30 - 16:45	Mapping Seagrass in Turbid Waters Using a Multitemporal Composite Approach	Xuan Truong Trinh (The University of Tokyo, Japan)
O-14	16:45 - 17:00	Initial analysis of the 2023 Turkey-Syria earthquake using Sentinel-1 SAR data	Yuji Sakuno (Hiroshima University, Japan)
O-15	17:00 - 17:15	Urban expansion in Ulaanbaatar city of Mongolia in total and Ger district from 1990 to 2020	Yan Guanyu (The University of Tokyo, Japan)
O-16	17:15 - 17:30	Modelling traffic activity data for the City of Zurich	Trang Nguyen (ETH, Switzerland)

17:45 -

Ice breaker (free invitation)

Session C (Char: Prof. Jeark Principe, UP Diliman, Philippines)

O-17	9:30 - 9:45	Slope Monitoring by DInSAR and Assessment of Potential Landslide Risk by Spatial Analysis	Hana Watari (Yamaguchi University, Japan)
O-18	9:45 - 10:00	Multiple scattering analysis of synthetic aperture radar image simulation using a two-story wooden building based on RAYSAR for invere estimation	Yang Yu (The University of Tokyo, Japan)
O-19	10:00 - 10:15	Ground-based SAR interferometry for displacement monitoring: recent advances and challenges	Yuta Izumi (Murooran Institute of Techonlogy, Japan)
O-20	10:15 - 10:30	Multi-Sensor InSAR Analysis of Land Subsidence over the Central City of Shanghai, China	Hasi Bagan (Shanghai Normal University, PRC)
O-21	10:30 - 10:45	Geospatial information framework for disaster risk reduction management in Indonesia	Muhammad Haidar (The University of Tokyo, Japan)

10:45 - 11:00

Coffee break (15 mins.)

Session D (Chair: Prof. Yuta Izumi, Murooran Institute of Technology, Japan)

O-22	11:00 - 11:15	Drained area detection and fire characteristics in tropical peatlands	Haemi Park (Sophia University, Japan)
O-23	11:15 - 11:30	Estimation of nighttime light distribution for urban environmental assessment	So Fumiyama (The University of Tokyo, Japan)
O-24	11:30 - 11:45	Semi-automated generation of 3D bridge pier models from point cloud dataset by LiDAR	Etsuko Nakazono (The University of Tokyo, Japan)
O-25	11:45 - 12:00	Assessment of Epidemiological Relevance Of Dengue and Chikungunya With Environmental Variables Using Geospatial Techniques	Shruti Ganbote (Hokkaido University, Japan)
O-26	12:00 - 12:15	Mapping mangrove above-ground biomass and above-ground carbon using multisource remote sensing data and machine learning approaches in Vietnam and Indonesia	Dat Pham (Macquarie University, Australia)

12:15 - 12:30

Closing ceremony

12:30 -

Lunch (free invitation)