



第30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」



30th IIS forum "Earth observation, disaster monitoring and risk assessment from space"

Date: March 3, 2022 (Thu.) 13:00 - 17:00 (JST=GMT+9)

Online via zoom (<https://u-tokyo-ac-jp.zoom.us/j/86492809664?pwd=NkpzV3gzM1ZHQjJuWE9xcGszSnZBdz09>)

Oral presentation: 10 mins talk

13:00 - 13:10

Opening ceremony (Prof. Wataru Takeuchi, Univ. of Tokyo, Japan)

Oral session A (Chair: Prof. Masao Moriyama, Nagasaki Univ., Japan)

O-01	13:10	-	13:20	SEMI-AUTOMATED LANDSLIDE DETECTION USING OBJECT-BASED IMAGE ANALYSIS AFTER THE 2018 TYPHOON PRAPIROON IN EASTERN HIROSHIMA, JAPAN	Ira Karrel San Jose (The Univ. of Tokyo, Japan)
O-02	13:20	-	13:30	Feasibility analysis of the earth observation using MWIR radiation	Masao MORIYAMA (Nagasaki Univ., Japan)
O-03	13:30	-	13:40	Mapping and Tracking Nighttime Fishing Activities within Japan Exclusive Economic Zone using VIIRS Boat Detection	Yiwei Huang (The Univ. of Tokyo, Japan)
O-04	13:40	-	13:50	Estimation of reference evapotranspiration using SGLI daily average shortwave radiation	Honda Hiroaki (Nagasaki Univ., Japan)
O-05	13:50	-	14:00	Relationship between XCO ₂ monitored by GOSAT series satellites and land cover: a case study of Shanghai, China	Xinyan Hou (Shanghai Normal Univ., PRC)
O-06	14:00	-	14:10	Maize field detection using SAR and optical sensor over Mbita, Kenya	Kazuyuki URA (Nagasaki Univ., Japan)
O-07	14:10	-	14:20	Assessment of damaged areas by Sentinel1	Etsuko Nakazono (The Univ. of Tokyo, Japan)
O-08	14:20	-	14:30	Spatial Analysis on Solar PV Potential Hotspots using Himawari-8 SWR data and Locations of Existing Solar PV Projects: Case of the Philippines	Ma. Divina Angela Bauzon (UP Diliman, Philippines)

14:30 - 14:40

Coffee break (10 mins.)

Oral session B (Chair: Dr. Kyaw San Oo, Myanmar)

O-09	14:40	-	14:50	20 Years of migration to the Capital: Impacts Analysis Concerning People's Welfare and Sustainable Development in Ulaanbaatar, Mongolia	YAN Guanyu (The Univ. of Tokyo, Japan)
O-10	14:50	-	15:00	Wild Elephant Habitat at Human Cultivation Land	Kyaw Sann Oo (NGO, Myanmar)
O-11	15:00	-	15:10	BRDF simulation considering shadows of trees in Japanese Larch Forest at Mt. Yatsugatake	Takumi Fujiwara (The Univ. of Tokyo, Japan)
O-12	15:10	-	15:20	Preliminary Analysis on the Difference Between Solar PV Power Output Forecasts Derived from Remotely Sensed and In-Situ Solar Radiation Data	Ian Benitez (UP Diliman, Philippines)
O-13	15:20	-	15:30	Sentinel-2 mapping of a turbid intertidal seagrass meadows in Southern Vietnam	Xuan Truong Trinh (The Univ. of Tokyo, Japan)
O-14	15:30	-	15:40	Study of DEM scale effect on Random Forest model accuracy for Gully erosion Susceptibility	Raveena Raj (Hokkaido Univ., Japan)
O-15	15:40	-	15:50	Analysis of SAR Backscatter Intensity Characteristics for Inverse Estimation of Earthquake-damaged Buildings	Yang Yu (The Univ. of Tokyo, Japan)
O-16	15:50	-	16:00	Significance of PV Solar Power in electrification of villages in India: Approach based on geospatial assessment	Hitesh Supe (Hokkaido Univ., Japan)

16:00 - 16:10

Coffee break (10 mins.)

Oral session C (Chair: Prof. Ram Avtar, Hokkaido Univ., Japan)

O-17	16:10	-	16:20	Analysis of the relationship between Land-Use-Land-Cover change and the installation of solar photovoltaic power in Vietnam	Shoki Shimada (The Univ. of Tokyo, Japan)
O-18	16:20	-	16:30	Tectonic Lineament Mapping of the Katha-Gangaw range and Kumon range along the Sagaing Fault, Northern Myanmar	Myo Myint Aung (Institute of Tibetan Plateau Research, PRC)
O-19	16:30	-	16:40	Multi-hazard risk assessment of rail infrastructure in India under local vulnerabilities towards business continuity planning	Dheeraj Joshi (Indian railway, India)
O-20	16:40	-	16:50	Geospatial data to Monitor Bathymetry of Arctic lakes and thickness of Drift-ice in Abashiri	Ram Avtar (Hokkaido Univ., Japan)
O-21	16:50	-	17:00	Simulation of Reflectance of Chinese Cabbage Using Voxel Model	Shao Shuai (The Univ. of Tokyo, Japan)
O-22	17:00	-	17:10	Monitoring Land Use and Land Cover Change in Sagarmatha National Parks in Nepal to Examine LULC-Tourism nexus	Ankita Gupta (Hokkaido Univ., Japan)
O-23	17:10	-	17:20	Automatic building extraction from high-resolution aerial images and UAV images using deep learning techniques	Samitha Daranagama (AIT, Thailand)
O-24	17:20	-	17:30	Use of Geospatial Data for Wetland Mapping in Southern New Brunswick, Canada	Chafika Phiri (University of New Brunswick, Canada)

17:30 - 17:40

Closing ceremony