

TENTATIVE AGENDA FOR ACRS 2021

Venue: Can Tho University (CTU)

Campus 2, 3/2 Street, Xuan Khanh ward, Ninh Kieu District, Can Tho, Vietnam

-----o0o-----

22nd – 24th November 2021: ACRS Conference

Viet Nam Time	Contents
Day before Conference: 21st November 2021	
10:00-17:00	Training from SERVIR Mekong
Day 1: 22nd November 2021 (Monday)	
9:30-10:00	Welcome to ACRS2021 Video
10:00-10:50	Opening Ceremony
10:50-11:00	Tea/Coffee Breaks
11:00-12:30	Keynote Speeches
12:30-13:30	Lunch Breaks
13:30-15:30	Parallel sessions: Technical Exhibition & Technical Sessions (A-1,2,3,4,5)
17:00-18:00	GeoMixer @ ACRS2021
Day 2: 23rd November 2021 (Tuesday)	
10:00-12:00	Parallel sessions: Technical Sessions (B-1,2,3,4,5)
12:00-13:30	Lunch Breaks
13:30-15:30	Parallel sessions: Technical Sessions (C-6,7,8,9,10)
17:30-19:30	AARS General Conference (Members only)
Day 3: 24th November 2021 (Wednesday)	
10:00-12:00	Parallel sessions: Technical Sessions (D-1,2,3,4,5,6)
12:00-13:30	Lunch Breaks
13:30-15:30	Closing Ceremony
15:30-16:00	Tea/Coffee Breaks
16:00-18:00	GRSS Tutorial

Day 1 (22nd November 2021): ACRS Conference

Viet Nam Time	Contents
9:30-10:00	Welcome to ACRS2021 Video
10:00-10:50	Opening Ceremony
10:50-11:00	Tea/Coffee Breaks
11:00-12:30	Keynote Speeches Chairman: Prof. Kohei Cho, Prof. Vo Quang Minh
	Keynote 1: Trends in Photogrammetry and Remote Sensing, Prof. Uwe Sörgel Chair , Institute for Photogrammetry at University of Stuttgart, Germany. President, DGPF (German Society for Photogrammetry, Remote Sensing and Geoinformation)
	Keynote 2: Remote sensing development strategy for Vietnam to 2030 viewing to 2040, Dr. Nguyen Quoc Khanh , Director of National Remote Sensing Department (NRSD), Ministry of Nature resources and Environment, Viet Nam.
	Keynote 3: Remote Sensing & 4.0 Industrial Revolution in Agricultural, Prof. Vo Quang Minh , President of Science Council of College of Environment & Natural Resources, Can Tho University, Viet Nam.
12:30-13:30	Lunch Breaks
13:30-15:30	Parallel sessions: Technical Exhibition & Technical Sessions (A-1,2,3,4,5)
17:00-18:00	GeoMixer @ ACRS2021

PARALLEL SESSIONS (22nd November 2021)

Session 1: Technical Exhibition (Room A1) Chairman: Prof. Vo Quang Minh Dr. Chu Hai Tung
Agencies: JAXA, RESTEC, PIESAT, VidaGIS
Synthesis Session: Prof. Vo Quang Minh Dr. Chu Hai Tung

Session 2: Sensor and Platform (Room A2) Chairman: Assoc. Prof. Pham Nguyen Khang Dr. Mei Ling Yeh		
Time	Title	Speaker
13:30-13:45	Assessing Inter-sensor alignment of Diwata-2's High Precision Telescope	Kristian R. Monay

13:45-14:00	Feature Selection of EEG signals for Emotional State Classification in Machine Learning	Zin War Oo
14:00-14:15	Data acquisition techniques on existing historical building based on Building Information Modeling (BIM) using close-range method in Bali	Ketut Tomy Suhari
14:15-14:30	Calibration And Validation Of An Airborne Hyperspectral Scanning Imager For Agricultural Missions	Mara Alain Maestro
14:30-14:45	Payload characterization of an airborne push-broom hyperspectral imager	Micherene Clauzette Lofamia
14:45-15:00	Inspections of hydraulic and slope stability structures with UAV-based high definition thermal camera	Mei Ling Yeh
15:00-15:15	A SAR ATR method using WVV descriptor of a subset of scattering centers	Sumi Lee
15:15-15:30	Radiometric Consistency Intercomparison of GF-5, ZY-1-02D and Landsat 8	Siqi Feng
Synthesis Session: Assoc. Prof. Pham Nguyen Khang Dr. Mei Ling Yeh		

Session 3: Algorithm and Image Processing (Room A3) Chairman: Prof. John Odindi Assoc. Prof. Nguyen Dinh Duong		
Time	Title	Speaker
13:30-13:45	A novel method for measurement of orientation of rock joints from point cloud by facet amalgamation approach	Leung Wai-Kin
13:45-14:00	An analysis on the optimal segmentation of VHR satellite RGB images	Jiyeon Moon
14:00-14:15	Modelling Soil Organic Carbon Stocks Under Commercial Forestry in KwaZulu-Natal South Africa Using Topo-Climatic Variables	John Odindi
14:15-14:30	Atmospheric Correction for Inland Waters Using Artificial Neural Networks	Oanh Thi La
14:30-14:45	Speckle filtering and physical scattering decomposition for alos-2 palsar-2 polarimetric mosaic	Ken Yoong Lee
14:45-15:00	Object-Based Classification Using Mask R-CNN and CNN from Very High-Resolution Imagery	Batbold Badamdorj
15:00-15:15	Relating the spatial resolution and sensor degradation of DIWATA-2's high precision telescope using edge detection	Fritz Rhaem Malinao Olivar
15:15-15:30	Bi-temporal Radiometric Normalization of Landsat 8 Images Using Pseudo-Invariant Features	Gabriel Yedaya Immanuel Ryadi
Synthesis Session: Prof. John Odindi Assoc. Prof. Nguyen Dinh Duong		

Session 4: Geographic Information Systems (GIS) and Web GIS (Room A4)		
Chairman: Prof. Mu Mu Than Dr. Le Phuoc Thanh		
Time	Title	Speaker
13:30-13:45	GIS based accessibility research of the community pharmacy services in districts with high number of covid-19 cases during pandemic in istanbul	Ahmet Ozgur Dogru
13:45-14:00	Covid-19 geo-spatial big data analysis of population mortality for countries situated at latitudes between 64°N and 35°S	Arun Kumar Verma
14:00-14:15	Analysis of keyhole tomb-like topography of Orono-Shima Island - Comparison with the oldest keyhole type tombs or cairn tombs in Japan or North Korea	Yamaguchi Tetsuya
14:15-14:30	Land suitability assessment for poultry farms in Davao city, Southern Philippines using geographic information system (GIS) and fuzzy analytic hierarchy process (AHP)	Joseph E. Acosta
14:30-14:45	Mymarhalah: a smart navigation mobile application for musafir in malaysia using GIS and related technologies	Mohamad Faisal Mohamed Yusof
14:45-15:00	Site suitability analysis for a nuclear power plant using AHP and GIS technique - Sri Lanka	Wathsala Gunawardena
15:00-15:15	Spatial Analysis on the Patterns and Reasons of Migration in a Satellite Town, Yangon Region	Mu Mu Than
15:15-15:30	Hotel Locations in a Tourism Destination: A Spatial Analysis Approach	Dyah Lestari Widaningrum
Synthesis Session: Prof. Mu Mu Than Dr. Le Phuoc Thanh		

Session 5: Remote Sensing & Mapping (Room A5)		
Chairman: Prof. Dursun Zafer Seker Dr. Lam Dao Nguyen		
Time	Title	Speaker
13:30-13:45	Exploring urban land use change using GIS integrated geostatistical analysis reference to Colombo urban fringe, Sri Lanka	Polgampala Ralalage Kumudu Chapa Bandara
13:45-14:00	Remote sensing and GIS web-based system for protection and restoration of mangrove (E-Pesisir) in Malaysian's coastline	Siti Nor Afzan Abdul Habib
14:00-14:15	Thin Plate Spline in Determining 500 Years Morphology Evolution of Historical City of Melaka	Marina Mohd Nor
14:15-14:30	Spatial analysis on the urban changes of Tanintharyi town in Myanmar	Khin Mar Yee
14:30-14:45	Determination of Maize Plantations on a Large-scale Agricultural Basin with Sentinel 2 Satellite Images	Dursun Zafer Seker

14:45-15:00	Enhancing bathymetric mapping capability using multi-zone ensemble fitting: facilitating emerging post covid-19 demands	Kelvin Tang Kang Wee
15:00-15:15	Advancing the use of LIDAR in geotechnical applications in Hong Kong - A 10-year overview	Leung Wai-Kin
15:15-15:30	Estimating aboveground net primary productivity of reforested trees in urban landscape using integrated biophysical variables and remotely sensed data	John Odindi
Synthesis Session: Prof. Dursun Zafer Seker Dr. Lam Dao Nguyen		

Day 2 (23rd November 2021): ACRS Conference

Viet Nam Time	Contents
10:00-12:00	Parallel sessions: Technical Sessions (B-1,2,3,4,5)
12:00-13:30	Lunch Breaks
13:30-15:30	Parallel sessions: Technical Sessions (C-6,7,8,9,10)
17:30-19:30	AARS General Conference (Members only)

Session 1: JAXA Session (Room B1) Chairman: JAXA Dr. Phan Kieu Diem		
Time	Title	Speaker
10:00-10:20	Evaluation of different precipitation products over Akdeniz basin, Turkey	Dursun Zafer Seker
10:20-10:40	Speckle filtering and physical scattering decomposition for ALOS-2 PALSAR-2 polarimetric mosaic	Ken Yoong Lee
10:40-11:00	Development of a method for extracting disaster areas around infrastructures using multi-temporal SAR images	Tomoya Kusunose
11:00-11:20	Extraction of very-high resolution topography from Tri-stereo Kompsat-3 imagery through refined geometric modeling	Nash Frederic M. Prado
11:20-11:40	Estimating aboveground forest carbon stocks using multi-sensor satellite data and field measurements in the Philippines	Mari Trix L. Estomata
11:40-12:00	Land cover classification based on backscatter characteristics using Sentinel-1A and ALOS PALSAR	Soni Darmawan
Synthesis Session: JAXA Dr. Phan Kieu Diem		

Session 2: Disaster Monitoring and Prevention (Room B2) Chairman: Prof. Lorie Cris Sanchez Asube Assoc Prof. Huynh Van Chuong		
Time	Title	Speaker
10:00-10:15	Importance of space technology for monitoring and management forest fires (case study: Syrian – Lebanese coastal forests)	Mohamad Rukieh
10:15-10:30	GIS-aided performance simulation of gigaquit dam: a comparative analysis of hypothetical flooding	Lorie Cris Sanchez Asube
10:30-10:45	Pollution Form in Nuclear Disasters Depending on Meteorological Conditions	Susumu Ogawa

10:45-11:00	Spatial analysis of the drought by using satellite remote sensing and GIS - A case study at Monaragala district Sri Lanka	Kuda Udage Janaki Sandamali (Sandamali K.U.J.)
11:00-11:15	Influence of proportion between landslide and none landslide sample ratio to landslide susceptibility modeling	Van Trung, Chu
11:15-11:30	Agricultural drought detection using the normalized difference vegetation index and land surface temperature data	Ton Binh Minh
11:30-11:45	Assessing the affected area of typhoon-induced landslides and debris flows	Hsiao Hsuan, Chen
11:45-12:00	Application of CNN on Landslide Susceptibility Analysis: Case Study on 2018 Hokkaido Eastern Iwate Earthquake	Karl Malcolm N. Cordova
Synthesis Session: Prof. Lorie Cris Sanchez Asube Assoc Prof. Huynh Van Chuong		

Session 3: Algorithm and Image Processing (Room B3)		
Chairman: Prof. Masafumi Nakagawa Dr. Pham Thi Mai Thy		
Time	Title	Speaker
10:00-10:15	Vehicle Detection from UAV Remote Sensing Images Using Deep Learning	Luwen Tan
10:15-10:30	Deep Learning for Semantic Segmentation of Coral Images in Underwater Photogrammetry	Ming Li
10:30-10:45	Study of terrestrial laser scanning intensity data for the bosscha observatory building's material classification	Gusti Ayu Jessy Kartini
10:45-11:00	Detection method of Convallaria keiskei using CNN and fuzzy c-means	Hikaru Shirai
11:00-11:15	Evaluation of atmospheric correction methods for Sentinel-2 imagery in the spectral identification of poplar (populus deltoides bartr.) species	Taskin Kavzoglu
11:15-11:30	Extraction of very-high resolution topography from Tri-stereo Kompsat-3 imagery through refined geometric modeling	Nash Frederic M. Prado
11:30-11:45	LiDAR Scan Matching with PPP-RTK for 3D Farm Mapping	Masafumi Nakagawa
11:45-12:00	Applicable mean-shift filtering for weed mapping in cassava fields on UAV images	Apinya Boonrang
Synthesis Session: Prof. Masafumi Nakagawa Dr. Pham Thi Mai Thy		

Session 4: Geographic Information Systems (GIS) and Web GIS (Room B4)		
Chairman: Prof. Jojene R. Santillan Assoc. Prof. Bui Ta Long		
Time	Title	Speaker
10:00-10:15	Analysis of tourist behavior and interest by geotagged photos	Tetsuya Ebata
10:15-10:30	Geo-spatial big data analysis of covid-19 spectrum envelope of first and second wave of the outbreak in the Southeast Asian region	Arun Kumar Verma
10:30-10:45	MInDSEt: A geospatially enabled integrated data sharing environment for Mindanao, Philippines	Jojene R. Santillan
10:45-11:00	Using maxent in finding suitable locations for establishing falcata tree plantations in Caraga region, Mindanao, Philippines	Arnaldo Gagula
11:00-11:15	Exploring the spatial linkages between tourist attraction location with surrounding facilities in Bandung city, Indonesia	Felix Malvian
11:15-11:30	The spatial and social patterning of health care facilities in Jakarta, Indonesia	Patricia Wijaya
11:30-11:45	Determination of high-risk municipality of COVID-19 case in Agusan Del Sur, Mindanao, Philippines using GIS approach	Arnaldo Gagula
11:45-12:00	Utilizing gis techniques for studying spatial distribution patterns of green logistics activities under pandemic situation: a case study in Thailand	Yaowaret Jantakat
Synthesis Session: Prof. Jojene R. Santillan Assoc. Prof. Bui Ta Long		

Session 5: Remote Sensing & Mapping (Room B5)		
Chairman: Dr. Alhaji Hussaini Dr. Truong Chi Quang		
Time	Title	Speaker
10:00-10:15	Estimation and Updating of Digital Surface Model (DSM) Using WorldView-3 Dataset	Indra Bahadur Chhetri
10:15-10:30	Comparative Investigation of Geomorphology by Aerial Photograph Interpretation (API), Digital Aerial Photograph Interpretation (DAPI) and Airborne Light Detection and Ranging (LiDAR) Survey: A Case Study in the Former Ma On Shan Open-pit Iron Mine	Leung Wai Kin
10:30-10:45	Delineating rubber plantations in landslide prone areas of Kerala, India using remote sensing and GIS	Pradeep Balan
10:45-11:00	Automatic retrieval of railway masts tilt angle from Mobile Laser Scanning data	Atika Marwati
11:00-11:15	The estimation of urban expansion extent and fractal dimension (case of Khovd town, Mongolia)	Purevtseren

11:15-11:30	An up-to-date geological map of Lake Chad in Central Africa using geospatial approach	Alhaji Hussaini
11:30-11:45	Correlation Model of Oil Palm Age Based on Optical and Radar Sensors	Soni Darmawan
11:45-12:00	Study on MMS Point Cloud and UAV Images Fusion to Construct 3D Map	Mohammad Gholami Farkoushi
Synthesis Session: Dr. Alhaji Hussaini Dr. Truong Chi Quang		

Session 6: Satellite Program Session (Room C1) Chairman: Dr. Sameer Saren Assoc. Prof. Vo Quoc Tuan		
Agency: JAXA, ISRO, KARI, RADI, VIETNAM, MAXAR, PLANET, CANON Electronics Inc		
Synthesis Session: Dr. Sameer Saren Assoc. Prof. Vo Quoc Tuan		

Session 7: Disaster Monitoring and Prevention (Room C2) Chairman: Prof. Chi Fan Chen Prof. Vo Quang Minh		
Time	Title	Speaker
13:30-13:45	Combined satellite observation and modeling of waves in tropical cyclones	Maria Yurovskaya
13:45-14:00	Remote sensing of the impact of flash drought on vegetation dynamics over East Asia	Won-Ho Nam
14:00-14:15	Flood Risk Mapping Using GIS-Based Multi-Criteria Analysis: Songinokhairkhan District Case Study	Batbold Badamdorj
14:15-14:30	Extraction and Quantification of Burn Marks of War-Damaged trees Using the Reflectance from Terrestrial Laser Scanner	Taisei Koga
14:30-14:45	A study on evaluating recovery from forest fire in Mongolia using NDVI and NBR derived from Landsat OLI data	Oyuntsetseg Tsogtgerel
14:45-15:00	GIS-based vulnerability assessment of households to extreme rainfall induced flood hazard in Cabadbaran city	Lorie Cris Sanchez Asube
15:00-15:15	Application of SBAS-DInSAR technique to investigate the association between subsidence pattern, groundwater levels, and rainfall variations in Choushui River Alluvial Fan	Nguyen Thai Vinh Truong
15:15-15:30	Development of integrated SRA-based data visualization platform for the prediction and response of floods and droughts	Insun Park
Synthesis Session: Prof. Chi Fan Chen Prof. Vo Quang Minh		

Session 8: Algorithm and Image Processing (Room C3)		
Chairman: Prof. Soo Chin Liew Assoc. Prof. Le Van Trung		
Time	Title	Speaker
13:30-13:45	Surface Reflectance Correction using Constrained Harmonization for Optical Satellite Imagery	Lino Garda Denaro
13:45-14:00	Embedding Watermark on Digital Aerial Photo in GeoTiff Format using Discrete Wavelet Transform and Discrete Cosine Transform	Dadan Ramdhani
14:00-14:15	3D Object detection from mobile LIDAR point cloud with Deep Learning	Muhammed Enes Atik
14:15-14:30	Classification for urban sprawl analysis of mumbai metropolitan region (MMR)	Varsha Bhosale
14:30-14:45	Image Mosaicing for UAV-based Pushbroom Hyperspectral Imaging	Ralph Aaron S. Aguinaldo
14:45-15:00	Deep Learning-Based UAV Aerial Triangulation without Image Control Points	Jiageng Zhong
15:00-15:15	Estimating Fire Temperature with Short-Wave Infrared bands of high resolution satellites	Soo Chin Liew
15:15-15:30	An algorithm for the direct estimation of NDVI with Landsat TOA reflectance	Qingwei Wu
Synthesis Session: Prof. Soo Chin Liew Assoc. Prof. Le Van Trung		

Session 9: Environmental Domain (Room C4)		
Chairman: Prof. Dursun Zafer Seker Dr. Nguyen Thanh Giao		
Time	Title	Speaker
13:30-13:45	Actionable Intelligence Policies (AIP) for waste management in the Eastern Economic Corridor (EEC), Thailand: Concepts, challenges, and opportunities	Khruewan
13:45-14:00	Evaluation of different precipitation products over Akdeniz basin, Turkey	Dursun Zafer Seker
14:00-14:15	The retrieval of chlorophyll-a concentrations in inland waters using convolutional neural network on satellite images	Nguyen Van Manh
14:15-14:30	Range Forecasting of an Endangered Island Endemic Bird Species Using Ensemble Species Distribution Modeling	Isabella Pauline Quijano
14:30-14:45	Habitat suitability analysis of tigers using decision support system of Indian bio-resource information network (IBIN) portal in JIM corbett tiger reserve	Amrapali Tiwari
14:45-15:00	Analysis of forest cover changes in the Philippines from 2011-2020 using the Landsat global forest change product	Brent Fallarcuna
15:00-15:15	Delineating groundwater vulnerability in Metro Cebu using drastic model	Chito Lim Patiño

15:15-15:30	Erosion assessment in Lak district, Dak Lak province	Nguyen Huy Anh
Synthesis Session: Prof. Dursun Zafer Seker Dr. Nguyen Thanh Giao		

Session 10: Remote Sensing & Mapping (Room C5)		
Chairman: Prof. Taskin Kavzoglu Dr. Nguyen Thi Thanh Huong		
Time	Title	Speaker
13:30-13:45	A combination of Normalized Difference Vegetation Index and multi-temporal RADAR Vegetation Index of Sentinel data for Landuse/Landcover classification	Le Minh Hang
13:45-14:00	Analysis of the Relationship between Urban Heat Islands and Land Use by Remote Sensing Techniques (A case study of Colombo District, Sri Lanka)	Kahawala Pathiramage Sulakshi Uthpala
14:00-14:15	Assessment of land surface temperature in dry and wet season using Sentinel imageries in Cameron highlands, Malaysia	Nurul Suliana Binti Ahmad Hazmi
14:15-14:30	A regional scale mapping of bamboo grove distribution using machine learning with multi-temporal Landsat-8 OLI imagery	Hiroto Shimazaki
14:30-14:45	Use of UAV Based Vegetation Indices for Mapping and Monitoring of Plant Health in Vietnam's Coffee Plantations	Tran Hung
14:45-15:00	Determination of marine mucilage formations using multitemporal Sentinel-2 imagery	Taskin Kavzoglu
15:00-15:15	Flood hazard mapping for a repeated flooding area in northern Thailand	Aphittha Yodying
15:15-15:30	Deforestation of Forest Types between 2009 and 2019 Along a Topographical Gradient Using Remotely Sensed Data in Cameron Highlands, Malaysia	Darren How Jin Aik
Synthesis Session: Prof. Taskin Kavzoglu Dr. Nguyen Thi Thanh Huong		

Day 3 (24th November 2021): ACRS Conference

Viet Nam Time	Contents
10:00-12:00	Parallel sessions: Technical Sessions (D-1,2,3,4,5,6)
12:00-13:30	Lunch Breaks
13:30-15:30	Closing Ceremony
15:30-16:00	Tea/Coffee Breaks
16:00-18:00	GRSS Tutorial

Session 1: Algorithm and Image Processing (Room D1) Chairman: Prof. Christopher D. Elvidge Assoc. Prof. Nguyen Thi Hong Diep		
Time	Title	Speaker
10:00-10:15	Identification of persistent infrared emitters in ASIA with VIIRS nightfire data: 2012-2020	Christopher D. Elvidge
10:15-10:30	Model-based point cloud reconstruction of excavation site for buried pipe management	Kouki Kurita
10:30-10:45	Point Cloud Reconstruction of Texture less Regions with Topology Constraints between Corresponding Points	Yuichiro Yamaguchi
10:45-11:00	A Web-based Application Utilizing Convolutional Neural Network (CNN) Method for Detecting Rice Plant Diseases in Butuan City, Philippines	Monalaine M. Bermoy
11:00-11:15	Estimation of Hot Mudflow Current using Long Term DInSAR	Josaphat Tetuko Sri Sumantyo
11:15-11:30	Motion detection and tracking in construction space using temporal point clouds	Gai Ozaki
11:30-11:45	Turntable-based and artificial texture aided photogrammetric 3D reconstruction and specification measurement of shuttlecock	Sih-Han Wang
11:45-12:00	Application comparison of 3D terrestrial laser scanning between terrain and non-terrain objects	Hanh Hong Tran
Synthesis Session: Prof. Christopher D. Elvidge Assoc. Prof. Nguyen Thi Hong Diep		

Session 2: Cloud Computing, Big data and AI in Remote Sensing (Room D2) Chairman: Assoc. Prof. Huynh Xuan Hiep Dr. Tolga Bakirman		
Time	Title	Speaker
10:00-10:15	Centroid-unet: detecting centroids in satellite images	Nawarathnage Lakmal Deshapriya

10:15-10:30	Results of applying standardized methods of hydrographic data for stations 74162 - Son Tay - Vietnam	Hoang Quy Nhan
10:30-10:45	Ship detection and classification for KOMPSAT optical images using deep learning	Jae Young Chang
10:45-11:00	Applied Artificial Neural Network in the Spatial Prediction of Landslide Hazards case Study in the Red River Basin, Vietnam	Xuan Quang Truong
11:00-11:15	Urban land cover classification with very high resolution satellite imagery by machine learning	Chenghua Shi
11:15-11:30	Building Segmentation from VHR Aerial Imagery using DeepLabv3+ Architecture	Tolga Bakirman
11:30-11:45	Quantitative analysis of relationships among building density, height, land surface temperature, and population density in Tokyo	Hasi Bagan
11:45-12:00	Instantaneous Erythemal UV-B Retrieval with Moderate Resolution Imaging Spectroradiometer (MODIS) based on Machine Learning Methods	Ruixue Zhao
Synthesis Session: Assoc. Prof. Huynh Xuan Hiep Dr. Tolga Bakirman		

Session 3: Education and Training, GIS & RS applications (Room D3) Chairman: Prof. Nguyen Kim Loi Assoc. Prof. Soravis Supavetch		
Time	Title	Speaker
10:00-10:15	Agricultural Land Monitoring on Amazon Web Service	Soravis Supavetch
10:15-10:30	The down converter in-house development phase2: Lesson and learning	Warinthorn
10:30-10:45	Remote sensing for environmental education using Google Earth Engine	Tomohisa Konishi
10:45-11:00	GIS-based site suitability analysis for the development of healthcare facilities in Tacloban city	Stephen Ross Roleda
11:00-11:15	Carbon monoxide emissions monitoring during Covid-19 pandemic in Jakarta	Luisa Febrina Amalo
11:15-11:30	Formulation of an environmental resilience index as an indicator of sustainability in Selangor, Malaysia	M Zainora Asmawi
11:30-11:45	Understanding the impact of riparian corridors on microclimate (Case study: Bogor City, Indonesia)	Prita Ayu Permatasari
11:45-12:00	Decision tree based classification and habitat suitability prediction of migratory birds	Vishal Kumar
12:00-12:15	GIS-based assessment of coastal tourism vulnerability to climate change – Case study in Danang city, Vietnam	Tran Thi An
12:15-12:30	Moran's I Spatial Autocorrelation of COVID-19 Infection Rates: Is There Such in Butuan City?	Kendel P. Bolanio
Synthesis Session: Prof. Nguyen Kim Loi Assoc. Prof. Soravis Supavetch		

Session 4: Environmental Domain (Room D4)		
Chairman: Prof. Kenji Iwama Assoc. Prof. Nguyen Van Cong		
Time	Title	Speaker
10:00-10:15	Analyzing the response of groundwater level to tidal wave in coastal aquifer, Taoyuan, Taiwan	Nguyen Dinh Giang Nam
10:15-10:30	Spatial distribution of soil organic carbon for sustainable forest conservation	Udhayan A.
10:30-10:45	Contribution of trees outside forests in mitigating climate change – a review	Anurag Mishra
10:45-11:00	Discussion about the risk control in Lake Biwa basin based on the landscape architecture	Kenji Iwama
11:00-11:15	Water quality assessment and mapping on marine fish cage sites in Nasipit, Agusan del norte, Philippines using remote sensing and GIS	Michelel V. Japitana
11:15-11:30	Maize Crop phenotyping for Disease resistance using UAV Multispectral data	Onesimo Mutanga
11:30-11:45	Sea surface ka-band doppler scatterometry at high wind speed: a field experiment	Yury Yurovsky
11:45-12:00	An approach for optimizing hydrological parameters at river basin scale using open sensor networks	Emeshi Jayani Warusavitharana
Synthesis Session: Prof. Kenji Iwama Assoc. Prof. Nguyen Van Cong		

Session 5: Remote Sensing & Mapping (Room D5)		
Chairman: Prof. Nguyen Ngoc Thach Prof. Michelle V. Japitana		
Time	Title	Speaker
10:00-10:15	Analysis of Urban Heat Island and its relation with land use land cover in Nagaland, India	Kedovikho Yhosu
10:15-10:30	Analysis of cloud-based NDVI trends of a country-wide forest restoration program	Kyle Pierre R. Israel
10:30-10:45	Utilization of hyperspectral data and machine learning algorithms for estimating chlorophyll contents in wasabi leaves	Adenan Yandra Nofrizal
10:45-11:00	Ten-year comparative analysis of infrastructure growth of state universities and colleges in Caraga region, Philippines using remote sensing and GIS	Michelle V. Japitana
11:00-11:15	Spatiotemporal epidemiology of Anthracnose-Twister disease of onion in production areas of Sto. Domingo, Nueva Ecija, Philippines	Dan Charlie Joy C. Pangilinan

11:15-11:30	SAR and optical sensor data fusion for earthquake damage assessment and analysis of the significant features	Gunjan Joshi
11:30-11:45	InSAR analysis of terrain deformation due to an ongoing series of collapse earthquakes in the central highlands of Sri Lanka	Duminda Ranganath Welikanna
11:45-12:00	SMAP and Sentinel-1 data assimilation to improve sugarcane growth monitoring	Apimook Phusiripaiboon
Synthesis Session: Prof. Nguyen Ngoc Thach Prof. Michelle V. Japitana		

Session 6: Remote Sensing & Mapping (Room D6) Chairman: Assoc. Prof. Nguyen Hieu Trung Prof. Umut Gunes Sefercik		
Time	Title	Speaker
10:00-10:15	Development of a method for extracting disaster areas around infrastructures using multi-temporal SAR images	Tomoya Kusunose
10:15-10:30	Spatial analysis of groundwater distribution and quality using GIS and remote sensing techniques (case study of Bolgoda river basin, Sri Lanka)	Gelanigama Mesthrige Thanuja Samanmali Fernando
10:30-10:45	Creation of virtual campus tour using UAV data: a case study for Gebze Technical University	Umut Gunes Sefercik
10:45-11:00	3D positioning accuracy and land cover classification performance of the UAVs: Case study of DJI Phantom IV multispectral RTK	Umut Gunes Sefercik
11:00-11:15	Performance improvement of visual odometry with imu-stereo camera for indoor UAV	Kazuha Saito
11:15-11:30	Urban river mapping by boat-based mobile laser scanning with PPP-RTK	Kimura Naoto
11:30-11:45	Application of Landsat imagery for the interpretation of surface water quality – A case study of De vong – Co co River, Quang Nam	Long Ta Bui
11:45-12:00	Research on forest cover change using Sentinel-2 images in combination with Sentinel-1 images on Google Earth Engine platform	Van Anh Tran
Synthesis Session: Assoc. Prof. Nguyen Hieu Trung Prof. Umut Gunes Sefercik		