

Reg No	Abstract No	Main Topic	Sub topic	Title	Type of Presentation	Presentation ID	Date	Time Slot	Room
ACRS0007	AB0001	Remote Sensing and its Applications		Malaria Vulnerability Mapping from the Space: A Case Study of Damaturu Town-Nigeria.	Oral	A3_RS37	Nov. 20th Wednesday (4th Day)	13.30-15.00	Room A
ACRS0008	AB0002	Remote Sensing and its Applications	Land Use Applications and Land Cover Dynamics	Evaluating the use of Sentinel-2 red-edge spectral information in estimating foliar C:N ratio within a communal rangeland ecosystem	Oral	E4_RS10	Nov. 17th Sunday (1st Day)	15.30-17.00	Room E
ACRS0014	AB0122	Remote Sensing and its Applications	Remote Sensing for Sustainable Development	Castle Investigation Using UAV LiDAR Surveying	Poster	RS_P11	Nov. 19th Tuesday (3rd Day)	13.30-15.00	Room D
ACRS0015	AB0109	Remote Sensing and its Applications	Risk and Disaster Management (Extreme Weather, Earthquakes, Volcanoes, etc)	Earthquake disaster investigation using a Compact MMS	Poster	RS_P18	Nov. 20th Wednesday (4th Day)	10.45-12.30	Room D
ACRS0018	AB0003	Remote Sensing and its Applications	Ocean Biology (Color) and Water Quality	Fluctuations in turbidity in response to rainfall and land use associated to river basins experiencing elevated flood levels	Oral	F4_RS67	Nov. 20th Wednesday (4th Day)	15.30-17.00	Room F
ACRS0019	AB0078	Algorithms and Image Processing Techniques	Image Segmentation	Object-based Multi-scale Recognition Approach for Residential Landscape Classification	Poster	AIPT_P8	Nov. 18th Monday (2nd Day)	11.30-12.30	Room D
ACRS0020	AB0057	Algorithms and Image Processing Techniques	3D mapping	Segmentation and Feature Classification of Point Clouds Acquired by LiDAR-SLAM in Urban Rivers	Oral	D3_AIPT6	Nov. 17th Sunday (1st Day)	13.45-15.15	Room D
ACRS0024	AB0118	Algorithms and Image Processing Techniques	Classification and Clustering	Evaluation of Automatic Detection of Uncultivated Land Using Machine Learning for Japanese Municipality	Poster	AIPT_P4	Nov. 18th Monday (2nd Day)	11.30-12.30	Room D
ACRS0028	AB0007	Geo-Spatial Science, Geographic Information Systems (GIS), Web GIS and Mapping	Geo-Spatial Science for Sustainable Development	An Open-Source Approach for Measuring Level of Urbanity	Oral	A1_GIS17	Nov. 19th Tuesday (3rd Day)	09.00-10.30	Room A
ACRS0029	AB0066	Photogrammetry and its Applications	Point Cloud Generation, Processing and Analysis	Point Cloud Generation by Gimbal-mounted LiDAR and Multi-directional Camera for Lunar Surveying	Oral	E1_PG13	Nov. 21st Thursday (5th Day)	09.00-10.15	Room E
ACRS0030	AB0011	Cloud Computing, Big Data and AI in Remote Sensing	Artificial intelligence and machine learning	Machine Learning-Driven Solar Panel Site Selection and Rooftop Potential Estimation for Sustainable Development Goals	Oral	F4_CcBdAi9	Nov. 18th Monday (2nd Day)	15.30-17.00	Room F

ACRS0031	AB0040	Algorithms and Image Processing Techniques	SAR and InSAR Processing	Multimodal model-based water body extraction algorithm on SAR imagery	Oral	F1_AIPT17	Nov. 19th Tuesday (3rd Day)	09.00-10.30	Room F
ACRS0032	AB0009	Cloud Computing, Big Data and AI in Remote Sensing	Artificial intelligence and machine learning	Detection of Marine Debris by Surveillance of Coral Bleaching and Temperature Anomaly using Satellite Imagery	Oral	F4_CcBdAi8	Nov. 18th Monday (2nd Day)	15.30-17.00	Room F
ACRS0033	AB0014	Algorithms and Image Processing Techniques	Object Detection and Recognition	Early Detection of Fire in Videos using Computer Vision and Deep Learning	Oral	A3_AIPT11	Nov. 18th Monday (2nd Day)	13.30-15.00	Room A
ACRS0033	AB0013	Geo-Spatial Science, Geographic Information Systems (GIS), Web GIS and Mapping	GIS and Navigation	Prediction Of Origin and Trajectory of Marine Debris	Oral	E2_GIS24	Nov. 19th Tuesday (3rd Day)	11.00-12.30	Room E
ACRS0034	AB0289	Remote Sensing and its Applications	Remote Sensing for Sustainable Development	Geology of Iron Ores in Arabic Countries and importance its study by Remote Sensing Techniques	Oral	E4_RS12	Nov. 17th Sunday (1st Day)	15.30-17.00	Room E
ACRS0036	AB0150	Remote Sensing and its Applications	Risk and Disaster Management (Extreme Weather, Earthquakes, Volcanoes, etc)	Collapse Accident Site Investigation using Terrestrial LiDAR Surveying	Oral	F4_RS65	Nov. 20th Wednesday (4th Day)	15.30-17.00	Room F
ACRS0037	AB0012	Remote Sensing and its Applications	Risk and Disaster Management (Extreme Weather, Earthquakes, Volcanoes, etc)	Effect of the Eco-Based Flood Mitigation Projects on Urban Flooding: A Case Study in Sri Jayawardenepura Kotte	Oral	F1_RS71	Nov. 21st Thursday (5th Day)	09.00-10.15	Room F
ACRS0038	AB0017	Remote Sensing and its Applications	Remote Sensing for Sustainable Development	Remote Sensing-Based Risk Assessment Indexing of Potential Threats to Drinking Water Sources	Oral	F4_RS66	Nov. 20th Wednesday (4th Day)	15.30-17.00	Room F
ACRS0039	AB0021	Algorithms and Image Processing Techniques	Object Detection and Recognition	Detection, Collection and Management Of Marine Garbage through the Development of an Automated Collector	Oral	A3_AIPT12	Nov. 18th Monday (2nd Day)	13.30-15.00	Room A
ACRS0040	AB0126	Remote Sensing and its Applications	Remote Sensing for Climate Change Impacts	Enhancement of chlorophyll-a concentration south of Luzon Strait induced from bio-physical interaction during the PDO cold phase	Poster	RS_P10	Nov. 19th Tuesday (3rd Day)	13.30-15.00	Room D
ACRS0041	AB0105	Remote Sensing and its Applications	Ocean Biology (Color) and Water Quality	Variation of Chlorophyll-a in the East Asian Continental Margin Seas	Poster	RS_P8	Nov. 19th Tuesday (3rd Day)	13.30-15.00	Room D
ACRS0042	AB0018	Cloud Computing, Big Data and AI in Remote Sensing	Computer vision and image processing	A Review of Convolutional Neural network-based Object Detection in UAV Thermal Infrared Videos for Human-Elephant Conflict Response	Oral	B4_CcBdAi15	Nov. 19th Tuesday (3rd Day)	15.15-16.45	Room B

ACRS0043	AB0019	Remote Sensing and its Applications	Agriculture, Urban and Environment Concerns	Spatial-Temporal Analysis of Urban Growth in the Suburban Area; Special Reference to the Homagama Divisional Secretariat Division from 1992 to 2022	Poster	RS_P1	Nov. 19th Tuesday (3rd Day)	13.30-15.00	Room D
ACRS0045	AB0020	Cloud Computing, Big Data and AI in Remote Sensing	Artificial intelligence and machine learning	Realtime Flood Forecasting: River flow analysis using Machine Learning Techniques	Oral	F4_CcBdAi10	Nov. 18th Monday (2nd Day)	15.30-17.00	Room F
ACRS0046	AB0024	Algorithms and Image Processing Techniques	Object Detection and Recognition	A Deep Learning and UAV Technology-Based Approach to Wildlife Monitoring	Oral	F1_AIPT13	Nov. 19th Tuesday (3rd Day)	09.00-10.30	Room F
ACRS0049	AB0026	Remote Sensing and its Applications	Risk and Disaster Management (Extreme Weather, Earthquakes, Volcanoes, etc)	Evidence of ground deformation in Sri Lanka: A study using SBAS InSAR Time-series	Oral	C3_RS13	Nov. 18th Monday (2nd Day)	13.30-15.00	Room C
ACRS0049	AB0027	Algorithms and Image Processing Techniques	SAR and InSAR Processing	Mapping the X-Press Pearl ship disaster oil spill drift patterns in the Indian Ocean using Sentinel 1 SAR time series	Oral	A1_AIPT27	Nov. 20th Wednesday (4th Day)	09.00-10.30	Room A
ACRS0050	AB0207	Photogrammetry and its Applications	Close-range Photogrammetry	State of the art of photogrammetric 3D reconstruction techniques: Discussion of scaling of indirect multipurpose cadastral methods.	Oral	E1_PG12	Nov. 21st Thursday (5th Day)	09.00-10.15	Room E
ACRS0052	AB0047	Geo-Spatial Science, Geographic Information Systems (GIS), Web GIS and Mapping	Spatial Data Analysis and Geo-Data Management	Assessing the Feasibility for Paddy Cultivation sites through Multi-Criteria Evaluation and GIS Approach: A Case Study of Ampara District, Sri Lanka	Oral	F1_GIS33	Nov. 20th Wednesday (4th Day)	09.00-10.30	Room F
ACRS0054	AB0028	Remote Sensing and its Applications	Remote Sensing for Climate Change Impacts	Precipitable Water Vapor observation using CLAS augmented signal with a view to real-time estimation	Oral	E4_RS63	Nov. 20th Wednesday (4th Day)	15.30-17.00	Room E
ACRS0056	AB0107	Remote Sensing and its Applications	Agriculture, Urban and Environment Concerns	Development of a Framework for Mapping the Potential for Farmer-Led Irrigated Areas in Southeast Asia	Oral	B1_RS30	Nov. 19th Tuesday (3rd Day)	09.00-10.30	Room B
ACRS0056	AB0108	Remote Sensing and its Applications	Remote Sensing for Sustainable Development	Developing a Novel Remote Sensing-Based Framework for sustainable irrigation water use	Oral	C3_RS50	Nov. 20th Wednesday (4th Day)	13.30-15.00	Room C
ACRS0057	AB0104	Cloud Computing, Big Data and AI in Remote Sensing	Computer vision and image processing	An Enhanced Surveillance System Integrating Pedestrian Attribute Recognition and Multi-Target Multi-Camera Tracking Technologies.	Oral	E3_CcBdAi2	Nov. 17th Sunday (1st Day)	13.45-15.15	Room E
ACRS0058	AB0267	Geo-Spatial Science, Geographic Information Systems (GIS), Web GIS and Mapping	GIS and Navigation	A Digital Twin Urban Flood Forecasting System Integrating a Weather Forecast Model and an Urban Flood Model	Oral	F3_GIS4	Nov. 17th Sunday (1st Day)	13.45-15.15	Room F

ACRS0059	AB0030	Geo-Spatial Science, Geographic Information Systems (GIS), Web GIS and Mapping	Geosciences and Remote Sensing for Disaster Management, Urban Resilience and Tourism	Development of a Web Application through a Mobilized Crowdsourcing Platform to Enable Participatory Risk Sensitive Urban Development	Oral	D4_GIS9	Nov. 18th Monday (2nd Day)	15.30-17.00	Room D
ACRS0060	AB0029	Remote Sensing and its Applications	Remote Sensing for Climate Change Impacts	Is GRACE Data Capable of Simulating The Groundwater Level Fluctuation in Anuradhapura Region of Sri Lanka?	Oral	F4_RS68	Nov. 20th Wednesday (4th Day)	15.30-17.00	Room F
ACRS0061	AB0031	Geo-Spatial Science, Geographic Information Systems (GIS), Web GIS and Mapping	Geo-Spatial Science for Sustainable Development	Developing a Decision Framework Driven by land Use Simulation to Evaluate Sri Lanka's National Physical Policies: A Case Study of the national physical Plan (2023-2048)	Oral	A1_GIS18	Nov. 19th Tuesday (3rd Day)	09.00-10.30	Room A
ACRS0062	AB0032	Algorithms and Image Processing Techniques	Change Detection and Temporal Analysis	How Has The Port City Construction in Colombo, Sri Lanka, Impacted The Spatial and Temporal Dynamics of The Adjacent Coastline?	Oral	A3_AIPT9	Nov. 18th Monday (2nd Day)	13.30-15.00	Room A
ACRS0063	AB0278	Remote Sensing and its Applications	Risk and Disaster Management (Extreme Weather, Earthquakes, Volcanoes, etc)	An Open-Source Geospatial Approach for Demarcating Landslide Susceptible and Risk Zones in Rathnapura District	Oral	A3_RS39	Nov. 20th Wednesday (4th Day)	13.30-15.00	Room A
ACRS0064	AB0036	Algorithms and Image Processing Techniques	SAR and InSAR Processing	MEASUREMENT ACCURACY OF EXTERNAL DEFORMATION OF ROCKFILL DAM BY PSINSAR ANALYSIS USING SENTINEL-1 SAR DATA	Oral	D3_AIPT5	Nov. 17th Sunday (1st Day)	13.45-15.15	Room D
ACRS0067	AB0241	Geo-Spatial Science, Geographic Information Systems (GIS), Web GIS and Mapping	Geosciences and Remote Sensing for Disaster Management, Urban Resilience and Tourism	Free and Open-Source Geospatial Datasets for Early Damage Assessment: A Case of Melamchi Flood Nepal	Oral	A1_GIS16	Nov. 19th Tuesday (3rd Day)	09.00-10.30	Room A
ACRS0069	AB0034	Cloud Computing, Big Data and AI in Remote Sensing	Artificial intelligence and machine learning	Site Suitability for Essential Services and Digital Connectivity in India using Machine Learning	Oral	F4_CcBdAi11	Nov. 18th Monday (2nd Day)	15.30-17.00	Room F
ACRS0071	AB0044	Algorithms and Image Processing Techniques	SAR and InSAR Processing	Urban Extraction Based on Scattering Decomposition Using PolSAR Data	Oral	A3_AIPT10	Nov. 18th Monday (2nd Day)	13.30-15.00	Room A
ACRS0072	AB0035	Geo-Spatial Science, Geographic Information Systems (GIS), Web GIS and Mapping	Spatial Data Analysis and Geo-Data Management	Geographic Information System And Machine Learning-Based Expressway Accident Modelling	Oral	E4_GIS27	Nov. 19th Tuesday (3rd Day)	15.15-16.45	Room E
ACRS0073	AB0046	Photogrammetry and its Applications	Point Cloud Generation, Processing and Analysis	Streaming Point Cloud Segmentation of GNSS/SLAM-LiDAR and Multi-beam Scanning Sonar Data for Urban River Mapping	Oral	E4_PG7	Nov. 20th Wednesday (4th Day)	15.30-17.00	Room E
ACRS0076	AB0049	Remote Sensing and its Applications	Forest and Vegetation Applications and Modeling	Developing an Ecotourism Master Plan for Udawattakele Forest: Integrating Remote Sensing, GIS, and Community Insights	Oral	B1_RS27	Nov. 19th Tuesday (3rd Day)	09.00-10.30	Room B

ACRS0077	AB0038	Geo-Spatial Science, Geographic Information Systems (GIS), Web GIS and Mapping	Spatial Data Analysis and Geo-Data Management	Geomatics Data Modelling for Integrated Heritage Information System to boost the Archeological Exploration in Sri Lanka	Oral	E4_GIS28	Nov. 19th Tuesday (3rd Day)	15.15-16.45	Room E
ACRS0078	AB0058	Photogrammetry and its Applications	Mono- and Stereo Photogrammetry	Adjustment of Alignment Error of Disparity Images Around a Crane Generated from Moving Images	Oral	F4_PG4	Nov. 19th Tuesday (3rd Day)	15.15-16.45	Room F
ACRS0079	AB0055	Geo-Spatial Science, Geographic Information Systems (GIS), Web GIS and Mapping	Geo-Spatial Science for Sustainable Development	Seasonal Water Quality Assessment in Coastal Aquifers Using GIS: Pre-Monsoon and Post-Monsoon Perspectives	Oral	F3_GIS2	Nov. 17th Sunday (1st Day)	13.45-15.15	Room F
ACRS0080	AB0041	Algorithms and Image Processing Techniques	SAR and InSAR Processing	Evaluation of 3D Deformation Error Due to Insufficient Observations Using SAR Simulator	Oral	F1_AIPT18	Nov. 19th Tuesday (3rd Day)	09.00-10.30	Room F
ACRS0081	AB0039	Algorithms and Image Processing Techniques	SAR and InSAR Processing	Wavelets for SAR Speckle Noise Filtering	Oral	F1_AIPT16	Nov. 19th Tuesday (3rd Day)	09.00-10.30	Room F
ACRS0082	AB0059	Geo-Spatial Science, Geographic Information Systems (GIS), Web GIS and Mapping	Spatial Data Analysis and Geo-Data Management	Spatial Similarity-based Multiple LiDAR Synchronization and Data Falsification Detection for Reliable 3D Mapping	Oral	E4_GIS29	Nov. 19th Tuesday (3rd Day)	15.15-16.45	Room E
ACRS0084	AB0099	Remote Sensing and its Applications	Risk and Disaster Management (Extreme Weather, Earthquakes, Volcanoes, etc)	GROUND DEFORMATION MONITORING OF LEWOTOBI VOLCANO BASED ON TIME SERIES INSAR METHOD	Oral	F1_RS73	Nov. 21st Thursday (5th Day)	09.00-10.15	Room F
ACRS0086	AB0042	Geo-Spatial Science, Geographic Information Systems (GIS), Web GIS and Mapping	Spatial Data Analysis and Geo-Data Management	Spatial Measurement Quality of Ground-Based Weather Radar Using Surrounding Terrain with Open-Source Radar Library	Oral	D4_GIS8	Nov. 18th Monday (2nd Day)	15.30-17.00	Room D
ACRS0087	AB0322	Remote Sensing and its Applications	Agriculture, Urban and Environment Concerns	Constructing High-Level-of-Detail 3D Urban Models Using UAV Data and Ground Scanning, A Case Study in Ha Long City, Quang Ninh Province, Vietnam	Poster	RS_P2	Nov. 19th Tuesday (3rd Day)	13.30-15.00	Room D
ACRS0090	AB0165	Remote Sensing and its Applications	Land Use Applications and Land Cover Dynamics	Detection of Bamboo by Sentinel-2: Evaluation of Algorithm, Seasonality and Spectral Band	Oral	B1_RS44	Nov. 20th Wednesday (4th Day)	09.00-10.30	Room B
ACRS0094	AB0045	Remote Sensing and its Applications	Land Use Applications and Land Cover Dynamics	Impacts of Land cover changes on the rainfall-runoff and sediment transport processes in the Kelani River	Oral	A3_RS42	Nov. 20th Wednesday (4th Day)	13.30-15.00	Room A
ACRS0095	AB0048	Remote Sensing and its Applications	Remote Sensing for Sustainable Development	Deep Learning based Approach to Assess the Impact of Cyclone Ockhi on Coconut Tree Populations using Satellite Images	Oral	E3_RS57	Nov. 20th Wednesday (4th Day)	13.30-15.00	Room E

ACRS0096	AB0056	Photogrammetry and its Applications	Point Cloud Generation, Processing and Analysis	Efficiency Improvement of SfM/MVS by Omni-directional Camera Network Estimation for Water-borne MMS	Oral	F4_PG2	Nov. 19th Tuesday (3rd Day)	15.15-16.45	Room F
ACRS0098	AB0095	Sensors, Platforms and Calibration	LIDAR Sensors	Evaluation Method of Spherical Marker Arrangement for LiDAR-SLAM using a Robot Simulator	Oral	F3_SPC5	Nov. 18th Monday (2nd Day)	13.30-15.00	Room F
ACRS0101	AB0152	Remote Sensing and its Applications	Risk and Disaster Management (Extreme Weather, Earthquakes, Volcanoes, etc)	Applicability Assessment of Drone Mapping for Causal Analysis in Landslide Damage Sites	Oral	A3_RS40	Nov. 20th Wednesday (4th Day)	13.30-15.00	Room A
ACRS0104	AB0054	Remote Sensing and its Applications	Remote Sensing for Sustainable Development	MANGROVE FOREST EXTRACTION FROM COSMO-SKYMED SECOND GENERATION X-BAND MULTI-POLARIZATION DATA	Oral	E3_RS58	Nov. 20th Wednesday (4th Day)	13.30-15.00	Room E
ACRS0107	AB0209	Photogrammetry and its Applications	Point Cloud Generation, Processing and Analysis	Self-Adaptive Point Cloud Simplification with Feature Preservation	Oral	E1_PG9	Nov. 21st Thursday (5th Day)	09.00-10.15	Room E
ACRS0108	AB0218	Algorithms and Image Processing Techniques	Image Segmentation	Cross-based Matching Constrained by the Classes of Pixels	Oral	D3_AIPT3	Nov. 17th Sunday (1st Day)	13.45-15.15	Room D
ACRS0109	AB0205	Photogrammetry and its Applications	Close-range Photogrammetry	Applying Fisheye and Dual-Fisheye Camera in Rain Gauge Exposure Estimation	Oral	E4_PG8	Nov. 20th Wednesday (4th Day)	15.30-17.00	Room E
ACRS0111	AB0060	Remote Sensing and its Applications	Forest and Vegetation Applications and Modeling	Early Detection of Forest Fire Based on Lightning Activity and Climatic Factors Using Deep Learning	Oral	D4_RS6	Nov. 17th Sunday (1st Day)	15.30-17.00	Room D
ACRS0112	AB0085	Remote Sensing and its Applications	Agriculture, Urban and Environment Concerns	Heat Risk Mapping of Vulnerable Population using Multi-temporal Satellite Observations in Nakhon Ratchasima Province, Thailand	Oral	D4_RS3	Nov. 17th Sunday (1st Day)	15.30-17.00	Room D
ACRS0113	AB0087	Geo-Spatial Science, Geographic Information Systems (GIS), Web GIS and Mapping	Web Mapping Technology and Web Map and Feature Services with Open Geo-Spatial Consortium	WEB GIS DEVELOPMENT FOR DROUGHT RISK AND DAMAGE MANAGEMENT AT THE FARM LEVEL IN THAILAND	Oral	F3_GIS6	Nov. 17th Sunday (1st Day)	13.45-15.15	Room F
ACRS0114	AB0089	Remote Sensing and its Applications	Ocean Biology (Color) and Water Quality	Modelling Bio-Optical Properties of Singapore Waters: A Comparison between Field Spectral Measurements and Synthetic Reflectance Spectra	Oral	E3_RS60	Nov. 20th Wednesday (4th Day)	13.30-15.00	Room E
ACRS0115	AB0068	Photogrammetry and its Applications	Mono- and Stereo Photogrammetry	Real-time 3D Mapping of Construction Sites Using ORB SLAM and Stereo Cameras	Oral	F4_PG5	Nov. 19th Tuesday (3rd Day)	15.15-16.45	Room F

ACRS0116	AB0070	Geo-Spatial Science, Geographic Information Systems (GIS), Web GIS and Mapping	Spatial Data Analysis and Geo-Data Management	Geographic Information Data Supporting Development Platform for Smart City Management in Sam Phran, Nakhon Pathom Province, Thailand	Poster	GIS_P5	Nov. 19th Tuesday (3rd Day)	13.30-15.00	Room D
ACRS0117	AB0071	Geo-Spatial Science, Geographic Information Systems (GIS), Web GIS and Mapping	Spatial Data Analysis and Geo-Data Management	Geographic Information Database Platform to Support Decision Making on Forest Fire Extinguishing in Wildlife Sanctuary Thailand	Poster	GIS_P6	Nov. 19th Tuesday (3rd Day)	13.30-15.00	Room D
ACRS0118	AB0101	Remote Sensing and its Applications	Agriculture, Urban and Environment Concerns	Rice Yield Estimation Using Sentinel-2 with Remote Sensing and Machine Learning in Thailand	Oral	D4_RS4	Nov. 17th Sunday (1st Day)	15.30-17.00	Room D
ACRS0119	AB0077	Geo-Spatial Science, Geographic Information Systems (GIS), Web GIS and Mapping	Spatial Data Analysis and Geo-Data Management	Urban River Modeling based on CityGML using Water-borne MMS Point Clouds	Oral	D4_GIS11	Nov. 18th Monday (2nd Day)	15.30-17.00	Room D
ACRS0120	AB0076	Photogrammetry and its Applications	Mono- and Stereo Photogrammetry	Trajectory Recovery of Visual Odometry at Corners by Temporal Stereo Point Cloud Registration	Oral	F4_PG1	Nov. 19th Tuesday (3rd Day)	15.15-16.45	Room F
ACRS0122	AB0258	Photogrammetry and its Applications	Point Cloud Generation, Processing and Analysis	Mesh Models as Enhancements to Point Clouds-Based Surveying and Mapping	Oral	E1_PG10	Nov. 21st Thursday (5th Day)	09.00-10.15	Room E
ACRS0123	AB0247	Algorithms and Image Processing Techniques	Inversion Techniques	Analysis of Object Distance Accuracy on Underwater Image Color Restoration	Oral	D3_AIPT4	Nov. 17th Sunday (1st Day)	13.45-15.15	Room D
ACRS0124	AB0069	Sensors, Platforms and Calibration	LIDAR Sensors	Safety Visualization in Cooperative Operation with Workers and Construction Vehicle using Temporal LiDAR Data	Oral	F3_SPC4	Nov. 18th Monday (2nd Day)	13.30-15.00	Room F
ACRS0125	AB0174	Remote Sensing and its Applications	Agriculture, Urban and Environment Concerns	A generative adversarial network-based anomaly detection in Japanese paddy fields using Sentinel-2	Poster	RS_P4	Nov. 19th Tuesday (3rd Day)	13.30-15.00	Room D
ACRS0127	AB0200	Geo-Spatial Science, Geographic Information Systems (GIS), Web GIS and Mapping	Geo-Spatial Science for Sustainable Development	Analysis of the Spatial Variations of Local Population Distributions from the Viewpoint of Urban Shrinkage Process	Poster	GIS_P1	Nov. 18th Monday (2nd Day)	11.30-12.30	Room D
ACRS0128	AB0124	Algorithms and Image Processing Techniques	Digital Elevation Modeling	Single Comprehensive Digital Elevation Model for Sri Lanka: Modified Advanced Land Observing Satellite (ALOS) Radiometrically Terrain Corrected (RTC) Products	Oral	F2_AIPT24	Nov. 19th Tuesday (3rd Day)	11.00-12.30	Room F
ACRS0129	AB0323	Geo-Spatial Science, Geographic Information Systems (GIS), Web GIS and Mapping	Geosciences and Remote Sensing for Disaster Management, Urban Resilience and Tourism	Assessment of shape changes subsidence and risk map by remote sensing and GIS in hyper-arid lands, Iran	Oral	A1_GIS14	Nov. 19th Tuesday (3rd Day)	09.00-10.30	Room A

ACRS0130	AB0075	Algorithms and Image Processing Techniques	Object Detection and Recognition	Relative Motion Detection of Boats based on LiDAR Scan Matching	Oral	A3_AIPT7	Nov. 18th Monday (2nd Day)	13.30-15.00	Room A
ACRS0131	AB0072	Cloud Computing, Big Data and AI in Remote Sensing	Data Analytics and AI Techniques in Remote Sensing	Drought Prediction using Landsat-8 Images and Remote Sensing	Oral	B4_CcBdAi17	Nov. 19th Tuesday (3rd Day)	15.15-16.45	Room B
ACRS0132	AB0164	Algorithms and Image Processing Techniques	Point Cloud Processing	Classification of a Terrestrial Laser Scanner point cloud of a conifer forest using Object-based Image Analysis	Poster	AIPT_P13	Nov. 18th Monday (2nd Day)	11.30-12.30	Room D
ACRS0133	AB0073	Cloud Computing, Big Data and AI in Remote Sensing	Artificial intelligence and machine learning	Artificial Neural Network Approach for Predicting the Land Values for Blocking-Out Diagrams	Oral	F4_CcBdAi12	Nov. 18th Monday (2nd Day)	15.30-17.00	Room F
ACRS0135	AB0100	Sensors, Platforms and Calibration	LIDAR Sensors	Performance Evaluation of a Lightweight and Low-Cost LiDAR Sensor for Mobile Scanning in Forest Plots	Oral	F3_SPC6	Nov. 18th Monday (2nd Day)	13.30-15.00	Room F
ACRS0138	AB0098	Remote Sensing and its Applications	Forest and Vegetation Applications and Modeling	Estimation of the Deforestation Through the Forest Canopy Density Model Derived from Remote Sensing	Oral	B1_RS28	Nov. 19th Tuesday (3rd Day)	09.00-10.30	Room B
ACRS0139	AB0090	Remote Sensing and its Applications	Risk and Disaster Management (Extreme Weather, Earthquakes, Volcanoes, etc)	Monitoring the Mount Ruang (Indonesia) volcanic eruption of April 2024 using satellite thermal imagery and numerical simulation	Oral	E4_RS8	Nov. 17th Sunday (1st Day)	15.30-17.00	Room E
ACRS0140	AB0083	Remote Sensing and its Applications	Risk and Disaster Management (Extreme Weather, Earthquakes, Volcanoes, etc)	Observed Precipitation Patterns of Flash Floods in Hindu Kush Himalaya and Swiss Alps	Oral	F1_RS72	Nov. 21st Thursday (5th Day)	09.00-10.15	Room F
ACRS0143	AB0129	Remote Sensing and its Applications	Risk and Disaster Management (Extreme Weather, Earthquakes, Volcanoes, etc)	The Landslide Detection in Kaohsiung City using the Integration of Sudden Landslide Identification Product and Remote Sensing Data	Oral	F1_RS74	Nov. 21st Thursday (5th Day)	09.00-10.15	Room F
ACRS0144	AB0091	Geo-Spatial Science, Geographic Information Systems (GIS), Web GIS and Mapping	Geo-Spatial Science for Sustainable Development	Assessing the Future Vulnerability of Coastal Salinity Intrusion Using the GALDIT Model and R: A Case Study from Negombo to Galle, Sri Lanka	Oral	E2_GIS19	Nov. 19th Tuesday (3rd Day)	11.00-12.30	Room E
ACRS0146	AB0094	Geo-Spatial Science, Geographic Information Systems (GIS), Web GIS and Mapping	Geo-Spatial Science for Sustainable Development	Analysis of Spatial Bias of Precipitation Estimated from Weather Radar Data During Storm Dissipation with Geographic Information System in Central Thailand	Oral	E2_GIS20	Nov. 19th Tuesday (3rd Day)	11.00-12.30	Room E
ACRS0148	AB0251	Geo-Spatial Science, Geographic Information Systems (GIS), Web GIS and Mapping	Geosciences and Remote Sensing for Disaster Management, Urban Resilience and Tourism	Spatiotemporal Modeling of Heat and Cold Waves in Northeast Syria Between 2000 and 2023	Oral	A1_GIS13	Nov. 19th Tuesday (3rd Day)	09.00-10.30	Room A

ACRS0148	AB0092	Remote Sensing and its Applications	Risk and Disaster Management (Extreme Weather, Earthquakes, Volcanoes, etc)	Investigating the relationship between Seismic Events and Air Quality: A Case Study of the T�rkiye earthquake 2023	Oral	B2_RS32	Nov. 19th Tuesday (3rd Day)	11.00-12.30	Room B
ACRS0149	AB0224	Remote Sensing and its Applications	Land Use Applications and Land Cover Dynamics	A Spatio-Temporal Analysis of Land Cover Change Detection Using Geo-spatial Technologies on Muthurajawela Marsh-Negombo Lagoon Wetland Complex	Oral	B1_RS45	Nov. 20th Wednesday (4th Day)	09.00-10.30	Room B
ACRS0150	AB0093	Geo-Spatial Science, Geographic Information Systems (GIS), Web GIS and Mapping	Spatial Data Analysis and Geo-Data Management	The study of the physical characteristics of thunderstorm clouds that cause hailstorms during the summer season using weather radar data in northern Thailand with geographic information systems	Oral	F1_GIS34	Nov. 20th Wednesday (4th Day)	09.00-10.30	Room F
ACRS0152	AB0162	Geo-Spatial Science, Geographic Information Systems (GIS), Web GIS and Mapping	GIS and Navigation	Visualization of Multiple Spatial Data using a Game Engine for Route Navigation Planning of Autonomous Boats in Urban Rivers	Oral	E4_GIS25	Nov. 19th Tuesday (3rd Day)	15.15-16.45	Room E
ACRS0153	AB0141	Cloud Computing, Big Data and AI in Remote Sensing	Data Analytics and AI Techniques in Remote Sensing	Performance of Nowcasting Algorithms for Ground-based Radar Precipitation Estimates during Cloud Seeding Period in Northern Thailand	Oral	E3_CcBdAi4	Nov. 17th Sunday (1st Day)	13.45-15.15	Room E
ACRS0154	AB0096	Remote Sensing and its Applications	Risk and Disaster Management (Extreme Weather, Earthquakes, Volcanoes, etc)	Drone Technology Deployment in Landslide Emergencies: A Case Study of Major Landslides Recorded in Sri Lanka During the Second Inter Monsoon of 2023	Poster	RS_P17	Nov. 20th Wednesday (4th Day)	10.45-12.30	Room D
ACRS0155	AB0185	Remote Sensing and its Applications	Remote Sensing for Sustainable Development	Revealing Hidden Spatial Relationships in Urban Areas Using Remote Sensing: Functional Boundary Delineation of Dambulla	Oral	C3_RS54	Nov. 20th Wednesday (4th Day)	13.30-15.00	Room C
ACRS0156	AB0233	Remote Sensing and its Applications	Agriculture, Urban and Environment Concerns	Analyzing Methane (CH4) Emissions in Rice Fields Using Satellite Data (Case study: Suphan Buri Province, Thailand)	Oral	E4_RS21	Nov. 18th Monday (2nd Day)	15.30-17.00	Room E
ACRS0159	AB0367	Remote Sensing and its Applications	Land Use Applications and Land Cover Dynamics	Spatio-temporal Quantification of Deforestation and Understanding its Impact on Basin Hydrology-An Attempt to Ensure Long-term Sustainability	Oral	C3_RS14	Nov. 18th Monday (2nd Day)	13.30-15.00	Room C
ACRS0159	AB0242	Remote Sensing and its Applications	Remote Sensing for Sustainable Development	High Resolution Monitoring of GLOF Vulnerable Lakes using Indian EO Data â€” The Paradigm Shift	Oral	B1_RS47	Nov. 20th Wednesday (4th Day)	09.00-10.30	Room B
ACRS0160	AB0142	Remote Sensing and its Applications	Forest and Vegetation Applications and Modeling	Monitoring Rice Growth Stages Using Sentinel-2 Satellite Imagery in Northeastern Thailand	Oral	E4_RS9	Nov. 17th Sunday (1st Day)	15.30-17.00	Room E
ACRS0161	AB0102	Algorithms and Image Processing Techniques	Hyperspectral Data Processing and Analysis	Pushing Boundaries in Hyperspectral Image Classification: A Comparative Analysis of CTMixer, SF-SMF, and MAEST	Oral	D3_AIPT1	Nov. 17th Sunday (1st Day)	13.45-15.15	Room D

ACRS0162	AB0137	Algorithms and Image Processing Techniques	Classification and Clustering	Classification of Airborne Radar Images Using Multiscale Dense Networks and Comparative Filtering Techniques	Poster	AIPT_P5	Nov. 18th Monday (2nd Day)	11.30-12.30	Room D
ACRS0163	AB0110	Remote Sensing and its Applications	Remote Sensing for Sustainable Development	Geospatial Analysis of the Coastline Changes in the Southwestern Belt in Sri Lanka.	Oral	F1_RS70	Nov. 21st Thursday (5th Day)	09.00-10.15	Room F
ACRS0164	AB0163	Algorithms and Image Processing Techniques	Change Detection and Temporal Analysis	Detection of land cover change in Mie prefecture using Sentinel-2 time series	Poster	AIPT_P2	Nov. 18th Monday (2nd Day)	11.30-12.30	Room D
ACRS0165	AB0235	Cloud Computing, Big Data and AI in Remote Sensing	Computer vision and image processing	Comparison of inpainting methods for generating true orthoimages from single satellite images	Oral	B4_CcBdAi16	Nov. 19th Tuesday (3rd Day)	15.15-16.45	Room B
ACRS0166	AB0156	Remote Sensing and its Applications	Land Use Applications and Land Cover Dynamics	Cloud-based Geospatial Analysis to assess LULC changes and Prediction of Future Scenario Using a Coupled CA-ANN Model: Case examples from Sri Lanka	Oral	B1_RS43	Nov. 20th Wednesday (4th Day)	09.00-10.30	Room B
ACRS0167	AB0136	Algorithms and Image Processing Techniques	Feature Extraction and Reduction	Assessing the performance of feature selection approach for urban Land Use/Cover Classification in Kolkata Metropolitan Area, India	Oral	F2_AIPT21	Nov. 19th Tuesday (3rd Day)	11.00-12.30	Room F
ACRS0171	AB0112	Sensors, Platforms and Calibration	High Altitude Platforms	Absolute Radiometric Calibration Monitoring of Resourcesat-2A LISS 4 Sensor	Oral	F3_SPC3	Nov. 18th Monday (2nd Day)	13.30-15.00	Room F
ACRS0175	AB0116	Sensors, Platforms and Calibration	UAV and Airborne Platforms	Calibration of UAV Multispectral Images for Uniform Reflectance Using Vignette and BRDF	Poster	SPC_P3	Nov. 20th Wednesday (4th Day)	10.45-12.30	Room D
ACRS0176	AB0113	Algorithms and Image Processing Techniques	Image Segmentation	Vehicle Detection and Accuracy Verification Using YOLOv8	Poster	AIPT_P9	Nov. 18th Monday (2nd Day)	11.30-12.30	Room D
ACRS0177	AB0115	Remote Sensing and its Applications	Atmospheric Sounding and Ionospheric Remote Sensing	Study the Effect if Human Activities on Air Quality of Sri Lanka using Satellite Images (Sentinel 5P)	Oral	B1_RS26	Nov. 19th Tuesday (3rd Day)	09.00-10.30	Room B
ACRS0178	AB0151	Cloud Computing, Big Data and AI in Remote Sensing	Artificial intelligence and machine learning	Assessing the Performance of Dynamic World Features in Regional Mangrove Mapping Leveraging Google Earth Engine	Oral	B4_CcBdAi13	Nov. 19th Tuesday (3rd Day)	15.15-16.45	Room B
ACRS0180	AB0155	Remote Sensing and its Applications	Forest and Vegetation Applications and Modeling	Correlating GEDI and ALOS-2 Data for Biomass Assessment Over Singapore	Oral	D4_RS5	Nov. 17th Sunday (1st Day)	15.30-17.00	Room D

ACRS0181	AB0144	Remote Sensing and its Applications	Remote Sensing for Sustainable Development	Evaluation of Deformation Detection Performance of Highway Slope Using SAR Image Simulator	Oral	C3_RS53	Nov. 20th Wednesday (4th Day)	13.30-15.00	Room C
ACRS0182	AB0188	Remote Sensing and its Applications	Remote Sensing for Sustainable Development	Geodetic monitoring of hydraulic structures using remote sensing data	Oral	B2_RS36	Nov. 19th Tuesday (3rd Day)	11.00-12.30	Room B
ACRS0183	AB0347	Photogrammetry and its Applications	Digital Surface Model and Digital Elevation Model	Simultaneous Relative Geometric Orientation and Pseudo DEM Generation from Uncorrected Satellite Images	Oral	F4_PG3	Nov. 19th Tuesday (3rd Day)	15.15-16.45	Room F
ACRS0184	AB0123	Remote Sensing and its Applications	Forest and Vegetation Applications and Modeling	A phenology-based backscattering model for oil palm using C- band	Oral	B1_RS29	Nov. 19th Tuesday (3rd Day)	09.00-10.30	Room B
ACRS0186	AB0119	Algorithms and Image Processing Techniques	SAR and InSAR Processing	Synchronized Data-Based Back-Projection Algorithm for Stationary Receiver & Moving Transmitter SAR Imaging	Poster	AIPT_P14	Nov. 18th Monday (2nd Day)	11.30-12.30	Room D
ACRS0188	AB0160	Geo-Spatial Science, Geographic Information Systems (GIS), Web GIS and Mapping	Geosciences and Remote Sensing for Disaster Management, Urban Resilience and Tourism	Exploring Monsoonal Rainfall Patterns in Trincomalee District, Sri Lanka Using Thiessen Polygon Method	Oral	D4_GIS10	Nov. 18th Monday (2nd Day)	15.30-17.00	Room D
ACRS0189	AB0264	Remote Sensing and its Applications	Remote Sensing for Climate Change Impacts	Detection of Rainfall-Runoff Using Support Vector Machine (SVM) for Sustainable Water Resource Management	Oral	B1_RS48	Nov. 20th Wednesday (4th Day)	09.00-10.30	Room B
ACRS0192	AB0145	Remote Sensing and its Applications	Land Use Applications and Land Cover Dynamics	Navigating Dams Impacts: Using Correlation Between NDVI and LST on Dams in Mawlamyine City, Myanmar	Oral	C3_RS15	Nov. 18th Monday (2nd Day)	13.30-15.00	Room C
ACRS0193	AB0138	Remote Sensing and its Applications	Ocean Biology (Color) and Water Quality	Shoreline Monitoring Using Modified Normalized Difference Water Index (MNDWI) Algorithm in North Coast of Bekasi, West Java, Indonesia	Oral	E4_RS61	Nov. 20th Wednesday (4th Day)	15.30-17.00	Room E
ACRS0194	AB0268	Remote Sensing and its Applications	Remote Sensing for Climate Change Impacts	Comparative Analysis of High Resolution Gridded Satellite Precipitation Products over Ganga Basin in India	Oral	F4_RS69	Nov. 20th Wednesday (4th Day)	15.30-17.00	Room F
ACRS0196	AB0132	Cloud Computing, Big Data and AI in Remote Sensing	Data Analytics and AI Techniques in Remote Sensing	AI-Driven Techniques for Night Time Lights Analysis to Assess Socio-Economic Parameters	Oral	E3_CcBdAi3	Nov. 17th Sunday (1st Day)	13.45-15.15	Room E
ACRS0197	AB0324	Algorithms and Image Processing Techniques	Point Cloud Processing	Sugar Apple Fruit Bags Detection using Geometric Feature in MLS Point Cloud Data	Oral	F1_AIPT15	Nov. 19th Tuesday (3rd Day)	09.00-10.30	Room F

ACRS0199	AB0139	Geo-Spatial Science, Geographic Information Systems (GIS), Web GIS and Mapping	Geo-Spatial Science for Sustainable Development	Morphometric Characteristics of Beli Ul Oya Sub-basin of Mahaweli River Basin, Sri Lanka	Oral	E2_GIS21	Nov. 19th Tuesday (3rd Day)	11.00-12.30	Room E
ACRS0200	AB0197	Remote Sensing and its Applications	Risk and Disaster Management (Extreme Weather, Earthquakes, Volcanoes, etc)	Monitoring Electrical Substations Using Land Surface Temperature Derived from Time-Series Landsat Satellite Imagery with Google Earth Engine	Poster	RS_P19	Nov. 20th Wednesday (4th Day)	10.45-12.30	Room D
ACRS0200	AB0189	Remote Sensing and its Applications	Wetlands and Inland Waters Modeling	Development of a Regression Model to Estimate Water Quality in Riverine Wetlands Using Sentinel-2 Satellite Imagery	Poster	RS_P23	Nov. 20th Wednesday (4th Day)	10.45-12.30	Room D
ACRS0201	AB0168	Remote Sensing and its Applications	Agriculture, Urban and Environment Concerns	Sedimentation Dynamics Analysis in the Muda Dam Watershed Using the Universal Soil Loss Equation (USLE)	Oral	D4_RS1	Nov. 17th Sunday (1st Day)	15.30-17.00	Room D
ACRS0202	AB0148	Remote Sensing and its Applications	Agriculture, Urban and Environment Concerns	A Feasibility Study of Precision Monitoring for Rice Field using Nanosatellites PlanetScope in Yangon Region, Myanmar	Oral	E4_RS19	Nov. 18th Monday (2nd Day)	15.30-17.00	Room E
ACRS0203	AB0325	Algorithms and Image Processing Techniques	Point Cloud Processing	Extracting Wood Point Cloud from Terrestrial Laser Scanner Data of a Giant Tree	Oral	A1_AIPT26	Nov. 20th Wednesday (4th Day)	09.00-10.30	Room A
ACRS0204	AB0158	Geo-Spatial Science, Geographic Information Systems (GIS), Web GIS and Mapping	Land Management and Land Information System	Development of Sarawak Land Cover System with Space Technologies (LIMPAS)	Oral	F3_GIS5	Nov. 17th Sunday (1st Day)	13.45-15.15	Room F
ACRS0205	AB0140	Cloud Computing, Big Data and AI in Remote Sensing	Artificial intelligence and machine learning	Deep Learning Model for Automated Detection of Solid Waste Dumping Sites Using Satellite Imagery	Oral	E3_CcBdAi1	Nov. 17th Sunday (1st Day)	13.45-15.15	Room E
ACRS0207	AB0178	Algorithms and Image Processing Techniques	Hyperspectral Data Processing and Analysis	Satellite data decompression software framework for high data rate missions	Oral	D3_AIPT2	Nov. 17th Sunday (1st Day)	13.45-15.15	Room D
ACRS0208	AB0161	Geo-Spatial Science, Geographic Information Systems (GIS), Web GIS and Mapping	Land Management and Land Information System	Identification and Classification of Wetlands to Prioritise Considering the Importance for Flood Mitigation - Western Province, Sri Lanka	Oral	E4_GIS26	Nov. 19th Tuesday (3rd Day)	15.15-16.45	Room E
ACRS0209	AB0154	Photogrammetry and its Applications	Close-range Photogrammetry	System Calibration of LiDAR-Vision Multiple Sensors Module Mounted on A Ground Disaster Investigation Robot	Oral	E1_PG11	Nov. 21st Thursday (5th Day)	09.00-10.15	Room E
ACRS0210	AB0306	Remote Sensing and its Applications	Remote Sensing for Sustainable Development	Analysis of Long-term Ground Subsidence Displacement of a Transmission Facilities using Multi-temporal SAR Imagery and PSInSAR	Poster	RS_P16	Nov. 20th Wednesday (4th Day)	10.45-12.30	Room D

ACRS0213	AB0153	Geo-Spatial Science, Geographic Information Systems (GIS), Web GIS and Mapping	Geosciences and Remote Sensing for Disaster Management, Urban Resilience and Tourism	Geospatial Technologies Applications in Seawall Feasibility Study	Oral	F3_GIS1	Nov. 17th Sunday (1st Day)	13.45-15.15	Room F	
ACRS0214	AB0182	Algorithms and Image Processing Techniques		3D mapping	Improvement of Virtual Tour Depiction Potential Utilizing Active and Passive Sensing Data Fusion	Oral	A3_AIPT8	Nov. 18th Monday (2nd Day)	13.30-15.00	Room A
ACRS0214	AB0183	Algorithms and Image Processing Techniques		SAR and InSAR Processing	Coherence Analysis of Small Baseline Subset Displacement Model Types in Deformation Monitoring	Oral	F2_AIPT23	Nov. 19th Tuesday (3rd Day)	11.00-12.30	Room F
ACRS0216	AB0166	Remote Sensing and its Applications		Wetlands and Inland Waters Modeling	Water Conservation Function and Sustainability Assessment of the Yellow River Source Region in China	Oral	A3_RS38	Nov. 20th Wednesday (4th Day)	13.30-15.00	Room A
ACRS0218	AB0169	Remote Sensing and its Applications		Forest and Vegetation Applications and Modeling	Carbon Dioxide (CO2) Sequestration of Mangrove Forests Using Remote Sensing in Trusan Kinabatangan Sabah, Malaysia	Oral	E4_RS7	Nov. 17th Sunday (1st Day)	15.30-17.00	Room E
ACRS0221	AB0314	Remote Sensing and its Applications		Forest and Vegetation Applications and Modeling	Assessment of aboveground biomass using data from Unmanned Aerial Vehicles (UAVs) and Terrestrial Laser Scanning (TLS) in the Ban Nong Hai community forest project area in Chiang Mai Province.	Oral	C3_RS17	Nov. 18th Monday (2nd Day)	13.30-15.00	Room C
ACRS0222	AB0228	Algorithms and Image Processing Techniques		Hyperspectral Data Processing and Analysis	Memory-based API for real-time processing of high-data rate satellites	Oral	A1_AIPT25	Nov. 20th Wednesday (4th Day)	09.00-10.30	Room A
ACRS0225	AB0177	Remote Sensing and its Applications		Agriculture, Urban and Environment Concerns	Advancements in Weed Mapping and Herbicide Spraying: A Comprehensive Review of Unmanned Aerial Vehicle Technologies and Applications	Oral	B2_RS34	Nov. 19th Tuesday (3rd Day)	11.00-12.30	Room B
ACRS0226	AB0294	Geo-Spatial Science, Geographic Information Systems (GIS), Web GIS and Mapping		Spatial Data Analysis and Geo-Data Management	Implementation of a Digital Twin for the Management and Monitoring of Transmission Facilities in Mountainous Areas	Poster	GIS_P3	Nov. 19th Tuesday (3rd Day)	13.30-15.00	Room D
ACRS0227	AB0186	Remote Sensing and its Applications		Remote Sensing for Climate Change Impacts	Sea Ice Experiment for Examining the Relationship Between Sea Ice Thickness and Its Reflectance	Oral	E3_RS59	Nov. 20th Wednesday (4th Day)	13.30-15.00	Room E
ACRS0229	AB0196	Algorithms and Image Processing Techniques		Object Detection and Recognition	OBJECT BASED CLASSIFICATION APPROACH FOR NON LINEAR OBJECTS	Oral	F1_AIPT14	Nov. 19th Tuesday (3rd Day)	09.00-10.30	Room F
ACRS0231	AB0238	Global Navigation Satellite Systems		CORS Network Real-Time Kinematic Positioning	Assessing the Impact of Base Station Proximity on Continuous Operating Reference Stations (CORS) Accuracy and Its Implications for Geospatial Surveying in Sri Lanka	Oral	A1_GNSS1	Nov. 20th Wednesday (4th Day)	09.00-10.30	Room A

ACRS0233	AB0193	Algorithms and Image Processing Techniques	3D mapping	Comparative Accuracy Analysis of LiDAR Data Conversion to CityJSON Models Using Open Source and Commercial Software: A Case Study.	Poster	AIPT_P1	Nov. 18th Monday (2nd Day)	11.30-12.30	Room D
ACRS0235	AB0194	Geo-Spatial Science, Geographic Information Systems (GIS), Web GIS and Mapping	Geosciences and Remote Sensing for Disaster Management, Urban Resilience and Tourism	Exposure Mapping of Super Typhoon Odette (STY Rai)-Induced Storm Surge in the Municipality of San Juan, Southern Leyte, Philippines	Oral	D4_GIS12	Nov. 18th Monday (2nd Day)	15.30-17.00	Room D
ACRS0236	AB0260	Cloud Computing, Big Data and AI in Remote Sensing	Data Analytics and AI Techniques in Remote Sensing	Performance Analysis of CNN and Separable CNN for Land Use and Land Cover Classification in VHR Images Using Object-Oriented Approach with eXplainable Artificial Intelligence	Oral	E3_CcBdAi5	Nov. 17th Sunday (1st Day)	13.45-15.15	Room E
ACRS0236	AB0252	Remote Sensing and its Applications	Risk and Disaster Management (Extreme Weather, Earthquakes, Volcanoes, etc)	Integrating Deep Learning with eXplainable AI for Wildfire Severity Analysis Using USGS FIREMON dNBRs in Turkey	Oral	B1_RS46	Nov. 20th Wednesday (4th Day)	09.00-10.30	Room B
ACRS0239	AB0202	Remote Sensing and its Applications	Ocean Biology (Color) and Water Quality	An estimation of chlorophyll-a concentration using Landat-8/OLI data in Hiroshima Bay	Poster	RS_P9	Nov. 19th Tuesday (3rd Day)	13.30-15.00	Room D
ACRS0242	AB0277	Cloud Computing, Big Data and AI in Remote Sensing	Data Analytics and AI Techniques in Remote Sensing	Application of AI-based Modelling and Remote Sensing to Assess Inselberg Habitats in Gamapaha District in Sri Lanka	Oral	B4_CcBdAi18	Nov. 19th Tuesday (3rd Day)	15.15-16.45	Room B
ACRS0244	AB0310	Cloud Computing, Big Data and AI in Remote Sensing	Artificial intelligence and machine learning	Web-Based AI Model as a Decision Support System to Enhance Precision Farming for Smart Agriculture: Special Reference to Paddy Crop in the Wet Zone of Sri Lanka	Oral	B4_CcBdAi14	Nov. 19th Tuesday (3rd Day)	15.15-16.45	Room B
ACRS0245	AB0230	Algorithms and Image Processing Techniques	Hyperspectral Data Processing and Analysis	Evaluation Method for Geometric Correction Accuracy of Geostationary Environment Monitoring Spectrometer Images	Oral	F2_AIPT22	Nov. 19th Tuesday (3rd Day)	11.00-12.30	Room F
ACRS0246	AB0219	Sensors, Platforms and Calibration	UAV and Airborne Platforms	Enhancing Tiepoint Extraction Performance in Multispectral UAV Images Using LightGlue algorithm	Oral	F3_SPC2	Nov. 18th Monday (2nd Day)	13.30-15.00	Room F
ACRS0247	AB0221	Photogrammetry and its Applications	Mono- and Stereo Photogrammetry	Performance Evaluation of Monocular Visual Odometry in Low-light Conditions and Narrow Field of View	Oral	F4_PG6	Nov. 19th Tuesday (3rd Day)	15.15-16.45	Room F
ACRS0248	AB0222	Remote Sensing and its Applications	Forest and Vegetation Applications and Modeling	Modelling the global and regional niches of major invasive alien plant species of India	Oral	C3_RS16	Nov. 18th Monday (2nd Day)	13.30-15.00	Room C
ACRS0249	AB0226	Remote Sensing and its Applications	Agriculture, Urban and Environment Concerns	Building Change Detection Based on Roof Feature Analysis Using Single Satellite Imagery and Building Database	Oral	E4_RS20	Nov. 18th Monday (2nd Day)	15.30-17.00	Room E

ACRS0251	AB0225	Remote Sensing and its Applications	Risk and disaster management (extreme weather, earthquakes, volcanoes, etc.)	Application of InSAR technology to investigate the surface deformation of the 0403 Hualien seismic series	Poster	RS_P21	Nov. 20th Wednesday (4th Day)	10.45-12.30	Room D
ACRS0254	AB0236	Sensors, Platforms and Calibration	UAV and Airborne Platforms	Underwater Image Mosaic of AUV System Using Photogrammetry	Poster	SPC_P4	Nov. 20th Wednesday (4th Day)	10.45-12.30	Room D
ACRS0255	AB0237	Algorithms and Image Processing Techniques	Inversion Techniques	Feasibility Analysis of Generating Simulated CAS500-4 Images	Oral	F2_AIPT19	Nov. 19th Tuesday (3rd Day)	11.00-12.30	Room F
ACRS0256	AB0244	Remote Sensing and its Applications	Land Use Applications and Land Cover Dynamics	Computing urban blue green space and its impact on urban heat island and ecological index using Earth Observation Data, Gandhinagar, India	Oral	E4_RS11	Nov. 17th Sunday (1st Day)	15.30-17.00	Room E
ACRS0256	AB0240	Geo-Spatial Science, Geographic Information Systems (GIS), Web GIS and Mapping	Geo-Spatial Science for Sustainable Development	Assessment of Spatio temporal variation of Raifall over Semi-Arid, Sabarmati River Basin, Western India, Using GIS and MATLAB	Oral	D4_GIS7	Nov. 18th Monday (2nd Day)	15.30-17.00	Room D
ACRS0258	AB0245	Algorithms and Image Processing Techniques	Hyperspectral Data Processing and Analysis	Detection of Marine Debris Using Hyperspectral Imaging	Poster	AIPT_P6	Nov. 18th Monday (2nd Day)	11.30-12.30	Room D
ACRS0262	AB0254	Remote Sensing and its Applications	Forest and Vegetation Applications and Modeling	Quantifying and Mapping the Ecosystem Carbon Stock of Mangrove Forests in the Philippines using machine learning and new-generation remote sensing data	Oral	B2_RS31	Nov. 19th Tuesday (3rd Day)	11.00-12.30	Room B
ACRS0263	AB0250	Remote Sensing and its Applications	Agriculture, Urban and Environment Concerns	Rice Crop Loss and Damage Estimation Due to Flood Using Remote Sensing Imageries	Oral	E4_RS22	Nov. 18th Monday (2nd Day)	15.30-17.00	Room E
ACRS0267	AB0263	Remote Sensing and its Applications	Remote Sensing for Climate Change Impacts	Enhanced Cloud Removal in Sentinel-2 Imagery using Hybrid Spatiotemporal and Cycle Consistent Generative Adversarial Networks	Oral	E4_RS64	Nov. 20th Wednesday (4th Day)	15.30-17.00	Room E
ACRS0271	AB0271	Geo-Spatial Science, Geographic Information Systems (GIS), Web GIS and Mapping	Web Mapping Technology and Web Map and Feature Services with Open Geo-Spatial Consortium	Tourism Planning and Management Using GIS	Oral	F3_GIS3	Nov. 17th Sunday (1st Day)	13.45-15.15	Room F
ACRS0271	AB0270	Remote Sensing and its Applications	Land Use Applications and Land Cover Dynamics	Urban Expansion Analysis Using Remote Sensing and GIS	Oral	B2_RS33	Nov. 19th Tuesday (3rd Day)	11.00-12.30	Room B
ACRS0273	AB0274	Remote Sensing and its Applications	Agriculture, Urban and Environment Concerns	Analyse the Surface Temperature Fluctuation in Matara Municipal Council, Sri Lanka by Utilizing Remote Sensing and GIS	Poster	RS_P3	Nov. 19th Tuesday (3rd Day)	13.30-15.00	Room D

ACRS0274	AB0282	Geo-Spatial Science, Geographic Information Systems (GIS), Web GIS and Mapping	Spatial Data Analysis and Geo-Data Management	Creating of a geological GIS database of Eastern Kazakhstan using the Kalba-Narym Zone as an example	Oral	F1_GIS31	Nov. 20th Wednesday (4th Day)	09.00-10.30	Room F
ACRS0279	AB0356	Geo-Spatial Science, Geographic Information Systems (GIS), Web GIS and Mapping	Geosciences and Remote Sensing for Disaster Management, Urban Resilience and Tourism	Flood Analysis Based on the Influence of Geomorphology and Rainfall Patterns in the Tallo River Flow Area, Makassar City, South Sulawesi Province, Indonesia	Oral	A1_GIS15	Nov. 19th Tuesday (3rd Day)	09.00-10.30	Room A
ACRS0282	AB0298	Cloud Computing, Big Data and AI in Remote Sensing	Data Analytics and AI Techniques in Remote Sensing	Automatic Near Real-Time Web-based Flood Monitoring System with Multitask Learned Water Detection Deep learning Model	Oral	E3_CcBdAi6	Nov. 17th Sunday (1st Day)	13.45-15.15	Room E
ACRS0283	AB0300	Remote Sensing and its Applications	Forest and Vegetation Applications and Modeling	Forest change detection using multi-temporal Sentinel-2 data and 3D-CNN	Poster	RS_P5	Nov. 19th Tuesday (3rd Day)	13.30-15.00	Room D
ACRS0283	AB0305	Remote Sensing and its Applications	Wetlands and Inland Waters Modeling	Analysis of Phytoplankton in the Volga River Using Satellite Monitoring with Sentinel-2 Data	Poster	RS_P22	Nov. 20th Wednesday (4th Day)	10.45-12.30	Room D
ACRS0285	AB0303	Cloud Computing, Big Data and AI in Remote Sensing	Data Analytics and AI Techniques in Remote Sensing	Segmentation Quality Analysis Using Segment Anything Model in Very High-Resolution Imagery	Oral	F4_CcBdAi7	Nov. 18th Monday (2nd Day)	15.30-17.00	Room F
ACRS0286	AB0307	Remote Sensing and its Applications	Remote Sensing for Climate Change Impacts	Assessment of Extreme Temperature Changes in Chauk Township, Central Myanmar, Using Remote Sensing and GIS	Oral	C3_RS49	Nov. 20th Wednesday (4th Day)	13.30-15.00	Room C
ACRS0287	AB0308	Sensors, Platforms and Calibration	LIDAR Sensors	Sensor Fusion-Based Motion Compensation in 3D LIDAR Point Clouds	Poster	SPC_P1	Nov. 20th Wednesday (4th Day)	10.45-12.30	Room D
ACRS0288	AB0320	Remote Sensing and its Applications	Remote Sensing for Climate Change Impacts	Quantifying the Impact of Changes in Cloud Particle Size Distribution on Aerosol-Cloud Interactions from Satellite Data	Oral	E3_RS55	Nov. 20th Wednesday (4th Day)	13.30-15.00	Room E
ACRS0289	AB0312	Remote Sensing and its Applications	Land Use Applications and Land Cover Dynamics	A Modern Approach to Land Area Estimation in Sri Lanka Using Sentinel-2 Images and Google Earth Engine	Oral	C3_RS52	Nov. 20th Wednesday (4th Day)	13.30-15.00	Room C
ACRS0291	AB0313	Global Navigation Satellite Systems	GNSS Surveying and Geodesy	Determination of Orthometric Heights by GNSS Observations through an Accurate Geoid Undulation Model for Sri Lanka	Oral	A1_GNSS2	Nov. 20th Wednesday (4th Day)	09.00-10.30	Room A
ACRS0302	AB0330	Geo-Spatial Science, Geographic Information Systems (GIS), Web GIS and Mapping	Geo-Spatial Science for Sustainable Development	Smart Urban and Rural Development with Digital Twins and GIS	Oral	E2_GIS22	Nov. 19th Tuesday (3rd Day)	11.00-12.30	Room E

ACRS0303	AB0327	Remote Sensing and its Applications	Ocean Biology (Color) and Water Quality	Spatiotemporal Distribution and Occurrence of Surface Phytoplankton Blooms Using Spectral Indices Derived from Sentinel-2 Imagery in the Upper Gulf of Thailand	Oral	E4_RS62	Nov. 20th Wednesday (4th Day)	15.30-17.00	Room E
ACRS0305	AB0328	Remote Sensing and its Applications	Agriculture, Urban and Environment Concerns	The drivers of the spatiotemporal variation of peatland fires in Indonesia	Oral	E4_RS23	Nov. 18th Monday (2nd Day)	15.30-17.00	Room E
ACRS0306	AB0329	Global Navigation Satellite Systems	GNSS Surveying and Geodesy	Improving Accuracy of Geoid Undulation Model Using Machine Learning Approaches for Sri Lanka	Oral	A1_GNSS3	Nov. 20th Wednesday (4th Day)	09.00-10.30	Room A
ACRS0307	AB0345	Remote Sensing and its Applications	Land Use Applications and Land Cover Dynamics	Comparison of Gap-filling algorithms of Sentinel-2A/B NDVI images for monitoring in rice paddy fields	Poster	RS_P6	Nov. 19th Tuesday (3rd Day)	13.30-15.00	Room D
ACRS0308	AB0342	Remote Sensing and its Applications	Remote Sensing for Sustainable Development	Utilizing LiDAR Technology for Archaeological Surveys: Unveiling Hidden Insights	Oral	C3_RS51	Nov. 20th Wednesday (4th Day)	13.30-15.00	Room C
ACRS0312	AB0354	Algorithms and Image Processing Techniques	Data Fusion and Data Mining	Enhancing Digital Elevation Models with Multi-Sensor Fusion of UAV Photogrammetry and LiDAR Data	Oral	F2_AIPT20	Nov. 19th Tuesday (3rd Day)	11.00-12.30	Room F
ACRS0313	AB0392	Remote Sensing and its Applications	Agriculture, Urban and Environment Concerns	Development of a Multiscale XGBoost-based Model for Enhanced Detection of Potato Late Blight Using Sentinel-2, UAV, and Ground Data	Oral	B2_RS35	Nov. 19th Tuesday (3rd Day)	11.00-12.30	Room B
ACRS0315	AB0338	Remote Sensing and its Applications	Agriculture, Urban and Environment Concerns	Assessing the urban damage due to aerial bombing in Gaza City with use of combine Multispectral and SAR imagery	Oral	E4_RS24	Nov. 18th Monday (2nd Day)	15.30-17.00	Room E
ACRS0316	AB0344	Remote Sensing and its Applications	Remote Sensing for Sustainable Development	Improvement of GK-2B GOCI-II sensor-based Land products to Enhance Usability	Poster	RS_P14	Nov. 20th Wednesday (4th Day)	10.45-12.30	Room D
ACRS0317	AB0346	Remote Sensing and its Applications	Remote Sensing for Sustainable Development	Inter-comparison of Aerosol Optical Depth values measured by Portable Sunphotometer and AERONET/SKYNET ground stations	Poster	RS_P12	Nov. 20th Wednesday (4th Day)	10.45-12.30	Room D
ACRS0318	AB0361	Remote Sensing and its Applications	Remote Sensing for Sustainable Development	Develop of Cloud Detection Method For PlanetScope Imagery	Poster	RS_P15	Nov. 20th Wednesday (4th Day)	10.45-12.30	Room D
ACRS0319	AB0353	Geo-Spatial Science, Geographic Information Systems (GIS), Web GIS and Mapping	Spatial Data Analysis and Geo-Data Management	Spatial Distribution of pH & Cd in Surface Water Around an Open Landfill	Poster	GIS_P4	Nov. 19th Tuesday (3rd Day)	13.30-15.00	Room D

ACRS0319	AB0360	Geo-Spatial Science, Geographic Information Systems (GIS), Web GIS and Mapping	Location based services and applications	Location allocation hospitals in Perth	Poster	GIS_P2	Nov. 18th Monday (2nd Day)	11.30-12.30	Room D
ACRS0320	AB0388	Geo-Spatial Science, Geographic Information Systems (GIS), Web GIS and Mapping	Geosciences and Remote Sensing for Disaster Management, Urban Resilience and Tourism	Environmental Impact Assessment (EIA) on Tourism Destination Area in Seismic Zones	Oral	F1_GIS30	Nov. 20th Wednesday (4th Day)	09.00-10.30	Room F
ACRS0323	AB0358	Sensors, Platforms and Calibration	LIDAR Sensors	Mapping the Geometric Characteristics of a Landslide using Airborne Lidar Data	Oral	F3_SPC1	Nov. 18th Monday (2nd Day)	13.30-15.00	Room F
ACRS0325	AB0363	Remote Sensing and its Applications	Agriculture, Urban and Environment Concerns	Satellite-based Investigation of Urban Heat Island (UHI): Industrial Hotspot Study	Oral	D4_RS2	Nov. 17th Sunday (1st Day)	15.30-17.00	Room D
ACRS0328	AB0369	Remote Sensing and its Applications	Remote Sensing for Climate Change Impacts	Multi-frequency Observation of Soil Moisture and Vegetation Optical Depth from Space	Oral	E3_RS56	Nov. 20th Wednesday (4th Day)	13.30-15.00	Room E
ACRS0329	AB0381	Algorithms and Image Processing Techniques	Classification and Clustering	Soil Salinity Spatial Analysis to Develop a Machine Learning-Based Soil Resistivity Predictive Model	Poster	AIPT_P3	Nov. 18th Monday (2nd Day)	11.30-12.30	Room D
ACRS0329	AB0373	Algorithms and Image Processing Techniques	Patten Recognition	Soil Salinity Spatial Analysis to Develop a Machine Learning-Based Soil Resistivity Predictive Model	Poster	AIPT_P12	Nov. 18th Monday (2nd Day)	11.30-12.30	Room D
ACRS0335	AB0378	Geo-Spatial Science, Geographic Information Systems (GIS), Web GIS and Mapping	Spatial Data Analysis and Geo-Data Management	Identifying the Relationship between Crime Patterns and Environmental Factors in the Colombo Municipal Council (CMC) Area of Sri Lanka	Oral	F1_GIS32	Nov. 20th Wednesday (4th Day)	09.00-10.30	Room F
ACRS0336	AB0380	Remote Sensing and its Applications	Agriculture, Urban and Environment Concerns	Optimizing Agricultural Insurance Assessments: A Remote Sensing Framework for Evaluating Flood-Induced Damage	Oral	B1_RS25	Nov. 19th Tuesday (3rd Day)	09.00-10.30	Room B
ACRS0338	AB0384	Remote Sensing and its Applications	Forest and Vegetation Applications and Modeling	Geospatial and AI-Based Modelling to Assess Temporal and Spatial Dynamics of Forest Fragmentation	Oral	A3_RS41	Nov. 20th Wednesday (4th Day)	13.30-15.00	Room A
ACRS0340	AB0386	Remote Sensing and its Applications	Forest and Vegetation Applications and Modeling	china forest	Oral	C3_RS18	Nov. 18th Monday (2nd Day)	13.30-15.00	Room C
ACRS0346	AB0389	Geo-Spatial Science, Geographic Information Systems (GIS), Web GIS and Mapping	Geo-Spatial Science for Sustainable Development	Development of a mobile application integrating GIS to strengthen agriculture extension services: Special reference to paddy cultivation in Athuruliya Divisional Secretariat Division in Sri Lanka	Oral	E2_GIS23	Nov. 19th Tuesday (3rd Day)	11.00-12.30	Room E