

The 35th ASIAN CONFERENCE ON
REMOTE SENSING 2014



SENSING FOR REINTEGRATION OF SOCIETIES

October 27-31, 2014

Myanmar International Convention Center II

Nay Pyi Taw, Myanmar



SESSIONS

JAXA SS 1

[Session A](#)

[Session E](#)

[Session PS-1](#)

JAXA SS 2

[Session B](#)

[Session F](#)

[Session PS-2](#)

Student Session

[Session C](#)

[Session G](#)

[Session PS-3](#)

White Elephant

[Session D](#)

[Session H](#)

[WEBCON 4 \(I&II\)](#)

JAXA SS 109:00 ~ 10:40 (28th Oct, 2014)**Space utilization session #1 for SAFE and agriculture**

Chair: Dr. Shinichi Sobue

**The 35th ASIAN CONFERENCE ON
REMOTE SENSING 2014**

Speaker	Country/ region	Paper ID	Title of Paper
Mr. Ko Hamanoto, EORC, JAXA	Japan	JAXA-01	OVERVIEW OF SPACE APPLICATIONS FOR ENVIRONMENT (SAFE) INITIATIVE AND PROTOTYPES
Dr. Shinichi Sobue, RESTEC	Japan	JAXA-02	ASIAN RICE CROP MONITORING for GEO-GLAM
Dr. Win Htut, SLRD, MoAI	Myanmar	JAXA-03	Application of Satellite Images in Renewal of Cadastral Maps – An Experience of SLRD
Dr. Lam Dao Nguyen, STAC, VNNSC, VAST	Vietnam	JAXA-04	RICE CROP MONITORING IN THE MEKONG DELTA, VIETNAM USING RADAR REMOTE SENSING DATA
Mr. Wahyu Supriatna, ICALRD	Indonesia	JAXA-05	Remotely Sensed Crop Monitoring for Agricultural Development Planning in Indonesia
Mr. Kazufumi Kobayashi, RESTEC	Japan	JAXA-06	Agrometeorological outlook (JASMIN)

[MENU](#)**JAXA SS 2**10:50 ~ 12:30 (28th Oct, 2014)**Space utilization session #2 for ALOS-1 and QZSS
(EO+GNSS)**

Chair: Dr. Lal Samarakoon, GIC, AIT

**The 35th ASIAN CONFERENCE ON
REMOTE SENSING 2014**

Speaker	Country/ region	Paper ID	Title of Paper
Dr. Ryo Natsuaki, EORC, JAXA	Japan	JAXA-01	Report of ALOS-2 / PALSAR-2 Launch And Its Recent Status
Mr. Kotaro Hisano, Satellite Navigation Office, JAXA	Japan	JAXA-02	Asia Oceania Multi-GNSS Demonstration Campaign
Dr. Abdul Rashid Bin Mohamed Shariff, UPM	Malaysia	JAXA-03	PRECISION FARMING AT UNIVERSITY PUTRA MALAYSIA (UPM)
Dr. Puis Sony, Asian Institute of Technology	Thailand	JAXA-04	Precision Spraying Using a Radio-Controlled Quad-Copter and Possible Use of GNSS
All		JAXA-05	Discussion for applications precision farming using EO+GNSS in Malaysia and/or other SE Asia

[MENU](#)

White Elephant

13:30 ~ 15:10 (28th Oct, 2014)

Speaker	Paper ID	Title of Paper
Prof. Armin Gruen	WE-01	How to write Thesis?
Prof. Ian Downman	WE-02	How to make Proposal?
Prof. Shunji Murai	WE-03	How to make Oral Presentation?

[MENU](#)



Student Session

15:20 ~ 17:00 (28th Oct, 2014)

Student Activities in the Region

Chair: Manos

Speaker	Country/ region	Paper ID	Title of Paper

[MENU](#)



Session A1

09:00 ~ 10:40 (28th Oct, 2014)

INDOOR/3D

Chair: Dr. Masafumi Nakagawa

Name	Country/ region	Paper ID	Title of Paper
SIIS SI Imaging Services	Singapore	Commercial	Promotion
ST Electronics	Singapore	Commercial	Promotion
Dr. Masafumi Nakagawa	Japan	OS-003	A Point-based Rendering for 3D Polygon Extraction in Indoor Environment
Mr. Sz-Cheng Yu	China Taipei	OS-006	The generalization of BIM/IFC model for multi-scale 3D GIS/CityGML models
Mr. Lina Han	China	OS-234	3D RECONSTRUCTION BY COMBINING TERRESTRIAL LASER SCANNER DATA AND PHOTOGRAMMETRIC IMAGES

[MENU](#)



Session A2

09:00 ~ 10:40 (28th Oct, 2014)

AGRICULTURE & CROP

Chair: U Tin Htut Oo

Name	Country/ region	Paper ID	Title of Paper
Dr. Rishiraj Dutta	Thailand	OS-008	Review of Vegetation Indices for Vegetation Monitoring
Engr. Meriam M. Santillan	Philippines	OS-010	SPECIES DISTRIBUTION MODELING TO AID REMOTE SENSING OF THE STARCH-RICH SAGO PALM IN THE PHILIPPINES
Mr. Weiguo Li	China	OS-011	Study on Estimating Rice Yield by Using Chinese Satellite Images
Dr. Thi Thuy Hang Nguyen	Vietnam	OS-013	A COMPARISON OF VEGETATION SPECTRAL INDICES DERIVED FROM LANDSAT 8 AND PREVIOUS LANDSAT GENERATIONS
Dr. Panu Srestasathien	Thailand	OS-029	RICE FIELD MONITORING USING INTRINSIC IMAGES DECOMPOSED FROM FIELD SERVER IMAGERY

[MENU](#)



Session A309:00 ~ 10:40 (28th Oct, 2014)**CLIMATE**

Chair: Dr. Hrin Nei Thiam

**The 35th ASIAN CONFERENCE ON
REMOTE SENSING 2014**

Name	Country/ region	Paper ID	Title of Paper
Mr. Manoj Kumar Singh	India	OS-035	Empirical orthogonal function computation and analysis of aerosol optical depth from MODIS data over Northern India
Mr. Wei-Kai Lai	China Taipei	OS-038	USING TERRAIN-RELATED VARIABLES TO ASSESS THE NEGATIVE EFFECTS OF TOPOGRAPHIC OBSTACLES ON TAIWAN RED CYPRESS DISTRIBUTION
Dr. Jianhua Wang	Japan	OS-039	RELATIONSHIP BETWEEN PM2.5 CONCENTRATIONS AND METEOROLOGICAL DATA IN NAGASAKI
Dr. Sabah Hussein Ali	Iraq	OS-053	Using of GIS software for Mapping the Climatic Data Obtaining by Internet Network
Dr. Khamarrul Azahari Razak	Malaysia	OS-236	HYPERSPATIAL RESOLUTION OF GROUND BASED REMOTE SENSING FOR NATURAL LIMESTONE CHARACTERIZATION: A CRITICAL INPUT FOR ROCK SLOPE HAZARD ASSESSMENT IN THE TROPICS

[MENU](#)**Session A4**09:00 ~ 10:40 (28th Oct, 2014)**FORESTRY**

Chair: Dr. Nyi Nyi Kyaw

**The 35th ASIAN CONFERENCE ON
REMOTE SENSING 2014**

Name	Country/ region	Paper ID	Title of Paper
Mr. Mohd Azahari Faidi	Malaysia	OS-158	Assessment of Peat Swamp Forest Cover and Carbon Stock Changes of Malaysia using Remote Sensing
Mr. ALEXIUS KOROM	Malaysia	OS-159	Aboveground biomass assessment of degraded rainforest using Ikonos-2: specific forest cluster analysis
Mr. D Enkhjargal	Mongolia	OS-160	Applications of Multitemporal Optical Images for Forest Resources Study in Mongolia
Dr. Thach Ngoc Nguyen	Vietnam	OS-161	USING THE NDVI DIFFERENCING FOR MAPPING OF DIPTEROCARP FOREST IN SAVANAKET PROVINCE, LAO PDR
Dr. Gen Takao	Japan	OS-162	Tropical forest change detection by a trend analysis of time series satellite images

[MENU](#)

Session B110:50 ~ 12:30 (28th Oct, 2014)**DATA PROCESSING**
Chair: Dr. Soe Win Myint**The 35th ASIAN CONFERENCE ON
REMOTE SENSING 2014**

Name	Country/ region	Paper ID	Title of Paper
Dr. Damdinsuren Amarsaikhan	Mongolia	OS-102	FUSION OF OPTICAL AND SAR IMAGES FOR THE ENHANCEMENT OF URBAN FEATURES
Dr. Kamolratn Chureesampant	Thailand	OS-104	THE COMPARISON OF POLARIMETRIC SAR DATA FOR UNSUPERVISED CHANGE DETECTION USING KI ALGORITHM
Dr. Yi-Shiang Shiu	China Taipei	OS-107	Uncertainty estimation of image classification in haze-contaminated area through weights of evidence model
Mr. Naoaki Sekiguchi	Japan	OS-218	EXPERIMENT OF THE HIGH ACCURACY POSITIONING BY QUASI-ZENITH SATELLITE MICHIBIKI OF JAPAN
Dr. Soe Win Myint	USA	OS-311	THE IMPACT OF SPATIAL ARRANGEMENTS OF BUILT LAND COVER TYPES ON URBAN WARMING

[MENU](#)**Session B2**10:50 ~ 12:30 (28th Oct, 2014)**AGRICULTURE & CROP**
Chair: Dr. Masataka Takagi**The 35th ASIAN CONFERENCE ON
REMOTE SENSING 2014**

Name	Country/ region	Paper ID	Title of Paper
Dr. Re-Yang Lee	China Taipei	OS-015	The Application of Satellite Imagery to Estimate Agricultural Losses in Taiwan
Dr. Narut Soontranon	Thailand	OS-016	RICE CROP PHENOLOGY USING TEXTURE ANALYSIS ON TIME-SERIES IMAGES OBTAINED FROM STILL CAMERA
Dr. Daniel Marc G. dela Torre	Philippines	OS-018	Phenology-based classification of major crop area in Central Lunon, Philippines from 2001-2013
Dr. Akira Hirano	Japan	OS-019	On exchangeability of spectral measurements obtained from multi-platform satellite sensors—Case study for Mongolian steppe
Dr. Zhanyu Liu	China	OS-021	CHANGE DETECTION OF HYDROLOGIC NETWORKS USING LANDSAT IMAGERIES FROM 1972 TO 2013 IN MEKONG DELTA

[MENU](#)

Session B310:50 ~ 12:30 (28th Oct, 2014)**CLIMATE**
Chair: Dr. Hrin Nei Thiam**The 35th ASIAN CONFERENCE ON
REMOTE SENSING 2014**

Name	Country/ region	Paper ID	Title of Paper
Ms. Sujata Uggupta Na	India	OS-043	CLIMATE CHANGE IMPACT AND VULNERABILITY ASSESSMENT OF FORESTS IN THE INDIAN WESTERN HIMALAYAN REGION: A REMOTE SENSING & GIS BASED STUDY OF HIMACHAL PRADESH, INDIA
Mr. Jason P. Punay	Philippines	OS-047	EVALUATION OF MODIS CLOUD PRODUCT-DERIVED RAINFALL ESTIMATES
Dr. Janet E Nichol	Hong Kong	OS-050	Validation of a Simplified Aerosol Retrieval Algorithm (SARA) over Beijing
Dr. Valentina Spanu	Italy	OS-054	VEGETATION COVER AS AN INDICATOR FOR EFFECTIVE IMPLEMENTATION OF LAND USE REGULATIONS IN SARDINIA
Ms. Astrid Mueller	Singapore	OS-057	Analysis of Aerosol Optical Depth and Angstrom Exponent Number over Singapore 2007 - 2014

[MENU](#)**Session B4**10:50 ~ 12:30 (28th Oct, 2014)**FORESTRY**
Chair: Dr. Nyi Nyi Kyaw**The 35th ASIAN CONFERENCE ON
REMOTE SENSING 2014**

Name	Country/ region	Paper ID	Title of Paper
Ms. Tien-An Lin	China Taipei	OS-165	WOULD ILLEGAL LOGGING BE PREDICTED ACCURATELY AND PREVENTED BEFOREHAND BY USING REMOTE SENSING AND GIS?
Dr. Shattri Bin Mansor	Malaysia	OS-166	Mapping Rubber Tree Growth by Spectral Angle Mapper Spectral Based and Pixel Base Classification Using SPOT-5 Image
Mr. Sho Tsunoda	Japan	OS-168	Detection and Calculation of Peatland Subsidence in Indonesia by using Interferometric Synthetic Aperture Radar (InSAR)
Dr. David Hodgson	United Kingdom	OS-169	EXPLOITING THE DMC SATELLITE CONSTELLATION FOR APPLICATIONS IN AGRICULTURE, FOREST MONITORING AND DISASTER RESPONSE
Dr. Martin Isenburg	Germany	OS-243	Experiences with LiDAR Ground Penetration in Dense Tropical Rainforests

[MENU](#)

Session C1

15:20 ~ 17:00 (28th Oct, 2014)

DATA PROCESSING
Chair: Dr. Soe Win Myint

Name	Country/ region	Paper ID	Title of Paper
Dr. Tsu-Chiang Lei	China Taipei	OS-108	A NOVEL GCP MATCHING MODEL FOR IMAGE GEOMETRIC CORRECTION BY BIOLOGICAL SEQUENCE ALGORITHMS
Mr. Zhenfeng Shao	China	OS-109	A Robust Matching Method for Remote Sensing Images of Different Viewpoint Angles Based on Regional Coherency
Ms. Li-Ling Chan	China Taipei	OS-110	Texture Mapping for Building Façades Using Terrestrial Lidar Point Clouds and Close Range Images
Ms. Wen-Chi Chang	China Taipei	OS-111	Object-based Dense Matching with Feature Constraints for DSM Generation
Dr. Moe Myint	Switzerland	OS-113	Multinomial Logistics Regression for Digital Image Classification

[MENU](#)



Session C2

15:20 ~ 17:00 (28th Oct, 2014)

DECISION SUPPORT & MODELS
Chair: Nguyen Dinh Duong

Name	Country/ region	Paper ID	Title of Paper
Dr. Alejandra Tercero	China Taipei	OS-207	MONITORING AND PREDICTING THE URBAN DEVELOPMENT OF GUATEMALA CITY, GUATEMALA
Dr. Shou-Hao Chiang	China Taipei	OS-209	Probabilistic Urban Simulation in Ho Chi Minh City, Vietnam
Mr. Huy Quang Man	Vietnam	OS-210	DEVELOPING GIS DECISION SUPPORT TO STAKEHOLDERS ON AGRICULTURAL LAND USE PLANNING IN HA TINH PROVINCE, VIETNAM
Dr. YUNG-CHUNG CHUANG CHUANG	China Taipei	OS-211	Study of Landscape Indices Analysis in Establishment Principles of Administrative Zones in Taiwan
Mr. Helman Hasan	Indonesia	OS-212	ECONOMICS DEVELOPMENT OF MERAUKE DISTRICT BASED ON TOPONYMY ASPECT

[MENU](#)



Session C3

15:20 ~ 17:00 (28th Oct, 2014)

GIS Models
Chair: Dr. Swe Swe Aye

Name	Country/ region	Paper ID	Title of Paper
Ms. Sangita Zope-Chaudhari	India	OS-200	ROBUSTNESS AND ACCURACY ASSESSMENT OF INVISIBLE WATERMARKING OVER GEOSPATIAL VECTOR DATA
Mr. Seongkwang Oh	Korea, Republic of	OS-202	A Study on the Methodology of a GIS-based Impervious Surface Map Production for Urban Areas
Ms. B Byambadolgor	Mongolia	OS-203	The Role of GIS and RS for Pastureland Study in Northern Mongolia
Ms. Jian Zhao	China	OS-204	GIS FRAMEWORK FOR PLAGUE RISK ASSESSMENT
Mr. Jan Joseph Viola Dida	Philippines	OS-205	Assessment of Trees Outside Forests (TOF) as Potential Food Source in Second District, Makati City

[MENU](#)



Session C4

15:20 ~ 17:00 (28th Oct, 2014)

NEW GENERATION SENSORS & APPLICATIONS
Chair: Dr. Gu Xinfa and Dr. Kyi Twin

Name	Country/ region	Paper ID	Title of Paper
Dengrong Zhang	China	New0005	Monitoring of urban subsidence with Cosmo Sky-med data by the PSI technique in Central Shanghai
Ms. Yi-Wei Liu	China	OS-253	Maneuver Image Quality Raising for SJ-9A Satellite
Ms. Cynthia Liu	China Taipei	OS-256	Resolution and MTF Studies for Images of Optical Remote Sensing Satellite
Dr. Masafumi Nakagawa	Japan	OS-257	Location-based infrastructure asset monitoring using mobile devices
Dr. I-Chieh Lee	China Taipei	OS-258	GENERATING ROAD SURFACE ORTHOPHOTO FROM IMAGES OF MOBILE MAPPING VEHICLES

[MENU](#)



Session C515:20 ~ 17:00 (28th Oct, 2014)**INDOOR/3D****Chair: Dr. Masafumi Nakagawa****The 35th ASIAN CONFERENCE ON
REMOTE SENSING 2014**

Name	Country/ region	Paper ID	Title of Paper
Dr. Yi Ma	China	OS-022	Mapping paddy rice cropping patterns using time-series AVHRR data in Mekong Delta, Vietnam
Ms. Ting-Chun Lin	China Taipei	OS-217	3D Indoor Model Reconstruction Using A Panorama Equipment
Ms. Tzy-Shyuan Wu	China Taipei	OS-259	Indoor mapping based on RGB-D and DSLR cameras
Dr. Kyaw Sann Oo	Myanmar	OS-288	Geospatial Technology for Peace: Resource Sharing

[MENU](#)**Session D1**09:00 ~ 10:40 (29th Oct, 2014)**COASTAL ZONE****Chair: Dr. Myint Myint Khaing****The 35th ASIAN CONFERENCE ON
REMOTE SENSING 2014**

Name	Country/ region	Paper ID	Title of Paper
Dr. Ariel Conferido Blanco	Philippines	OS-049	Changes in Seagrass Fractional Cover in Bolinao and Anda, Philippines Derived from Landsat Images
Mr. Maverick Tan	Singapore	OS-078	TeLEOS in multi-source maritime security application
Dr. Maged Marghany	Malaysia	OS-080	SIMULATION OF THREE-DIMENSIONAL OF WAVE REFRACTION PATTERN USING ENVISAT ASAR DATA
Dr. Maged Marghany	Malaysia	OS-081	DEVELOPING GENETIC ALGORITHM FOR SURVYING OF MH370 FLIGHT IN INDIAN OCEAN USING ALTIMETRY SATELLITE DATA
Dr. Benny N Peter	Malaysia	OS-082	VARIABILITY OF COASTAL CURRENTS IN THE BAY OF BENGAL DERIVED BY COMBINING SATELLITE ALTIMETRY AND DRIFTER OBSERVATIONS

[MENU](#)

Session D2

09:00 ~ 10:40 (29th Oct, 2014)

DATA PROCESSING

Chair: Emmanuel Baltasvias (Manos)

Name	Country/ region	Paper ID	Title of Paper
Dr. Yi-Shiang Shiu	China Taipei	OS-116	TRAINING SITE SELECTION BASED ON UNCERTAINTY ESTIMATION FOR OPTICAL SATELLITE IMAGE CLASSIFICATION
Dr. Hu Xianzhi	China	OS-118	A smart and enhanced multi-temporal SAR interferometry platform: SkySENSE-InSAR, development and applications
Dr. Tsukasa Hosomura	Japan	OS-121	Boundary Clearness of Land Cover Classification by Difference of Resampling Method for Multispectral Image
Ms. Dolgorsuren Sanjjav	China Taipei	OS-172	THE CLASSIFICATION OF FOREST TREE SPECIES USING SATELLITE IMAGERY IN MONGOLIA
Mr. Wei-Kai Lai	China Taipei	OS-266	ANALYZING THE EFFECTS OF TOPOGRAPHIC WETNESS INDEX AND TOPOGRAPHIC CURVATURE ON SPECIES DISTRIBUTION MODELS

[MENU](#)



Session D3

09:00 ~ 10:40 (29th Oct, 2014)

DISASTER

Chair: Dr. Kohei Cho and Dr. Hla Hla Aung

Name	Country/ region	Paper ID	Title of Paper
Ms. Ya-Yun Hsiao	China Taipei	OS-138	CHANGE DETECTION OF RICE FIELDS AFTER THE GREAT EAST JAPAN TSUNAMI USING TIME-SERIES MODIS DATA
Dr. Maged Marghany	Malaysia	OS-139	PARETO OPTIMALITY FOR MODELLING TSUNAMI EFFECTS ON SEA SURFACE SALINITY FROM MODIS SATELLITE DATA
Dr. Maged Marghany	Malaysia	OS-140	Particle swarm optimization for Geological feature Detection from PALSAR DATA
Dr. Christopher D. Elvidge	USA	OS-141	Landsat 8 investigation of peat fire detection in Sumatra: Preliminary results
Dr. Tadashi Sasagawa	Japan	OS-142	APPROACHES FOR MITIGATING FLOOD DISASTERS UTILIZING REMOTE SENSING INFORMATION

[MENU](#)



Session D4

09:00 ~ 10:40 (29th Oct, 2014)

CLIMATE

Chair: Dr. Masataka Takagi

Name	Country/ region	Paper ID	Title of Paper
Dr. Izumi Nagatani	Japan	OS-058	MONITORING RESULTS OF 2013 AND 2014 TRANSBOUNDARY ASIAN DUST EVENTS IN JAPAN USING MODIS DUST INDICES
Mr. Kwanchai Pakoksung	Japan	OS-059	Satellite Base Rainfall Application for Flood Simulation
Mr. Chao-Ming Huang	China Taipei	OS-061	Structures and Intensity Changes of Concentric Eyewall Typhoons from Satellite Data
Mr. Kit Chon Hoi	China Taipei	OS-065	The relationship between aerosol optical depth and PM from satellite and ground-based data
Dr. Hoa Viet Pham	Vietnam	OS-067	Research Medium-Resolution Satellite Images for Drought Warning in Central Highland, Vietnam

[MENU](#)



Session D5

09:00 ~ 10:40 (29th Oct, 2014)

FORESTRY

Chair: Dr. Myint Oo

Name	Country/ region	Paper ID	Title of Paper
Dr. Yoshio Awaya	Japan	OS-178	Mapping of Stock Volume of Deciduous Broadleaved and Evergreen Conifer Forests using Low Density LiDAR Data - A Case Study in the Upstream Area of Daihachiga River Basin, Gifu, Japan -
Dr. Soni Darmawan	Japan	OS-181	Impact of tidal height on characteristics of ALOS PALSAR measurements to estimate above ground biomass of mangrove forest in Indonesia
Dr. Rajesh Bahadur Thapa	Japan	OS-182	Models for aboveground forest carbon stock estimation in tropical region using airborne lidar
Ms. Devyani Rathore	India	OS-184	Tribal women empowerment in Southern Rajasthan
U Tin Aung Moe	Myanmar	OS-208	Study on the readiness for the National Spatial Data Infrastructure development in Myanmar

[MENU](#)



Session D6

09:00 ~ 10:40 (29th Oct, 2014)

RS/GIS

Chair: U Maung Maung Than

Name	Country/ region	Paper ID	Title of Paper
Yang Hang	China	New0006	LAI estimation of Winter Wheat using four spectral indices
Dr. Nguyen Dinh Duong	Vietnam	OS-270	Spectral signatures in Landsat 8 OLI image and their interpretation for land cover study
Mr. Ganesh Bhagwanrao Shinde	India	OS-272	Remote Assessment and Change Detection In GreenLAI using different vegetation Indices
Dr. Ruan Wei	China	OS-276	Using Mechanical Surface Splines for Interpolation to generate large scale image map from high resolution data
Dr. Ryota Kajiwara	Japan	OS-329	Development of National Level Forest Type Map in Lao P.D.R

[MENU](#)



Session E1

10:50 ~ 12:30 (29th Oct, 2014)

COASTAL ZONE

Chair: Dr. Myint Myint Khaing

Name	Country/ region	Paper ID	Title of Paper
Mr. Boredin Saengtuksin	Singapore	OS-086	Modeling the scattering properties of particle suspensions in Singapore coastal waters with an analytic phase function
Dr. Kong-Hyun Yun	Korea, Republic of	OS-088	Investigating the accuracy of Aerial Triangulation on the Baeksajang beach, west coast of Korea
Dr. Baeck Oon Kim	Korea, Republic of	OS-089	Long-term shoreline changes on the Baeksajang beach, west coast of Korea
Dr. Myint Myint Khaing	Myanmar	OS-090	Analysis of Submarine Physiographic Features in the Bay of Bengal
Ms. Jo-Tzu Chiang	China Taipei	OS-232	Land Use Changes of the Coastal Zone of Old Tainan City in the Past Hundred Years by Using Temporal Spatial Information

[MENU](#)



Session E2

10:50 ~ 12:30 (29th Oct, 2014)

InSAR-Processing
Chair: Dr. Peter Shih

Name	Country/ region	Paper ID	Title of Paper
Mr. Miguel Conrado Valdez Vasquez	Honduras	OS-075	Remote Sensing and Wavelet Analysis for Long Term Non-linear Teleconnection Pattern Identification Between Sea Surface Temperature and Forest Phenology in Central America
Dr. Mairdarjav Ganzorig	Mongolia	OS-268	APPLICATIONS OF RS AND GIS FOR URBAN LAND USE CHANGE STUDIES
Dr. Maged Marghany	Malaysia	OS-303	HOLOGRAM INTERFEROMETRIC SAR AND OPTICAL DATA FOR FOURTH-DIMENSIONAL URBAN SLUM RECONSTRUCTION
Mr. Kentaro Suzuki	Japan	OS-306	HEIGHT ESTIMATION OF BUILDINGS FROM HIGH-RESOLUTION SAR DATA BASED ON INTERFEROMETRIC ANALYSIS

[MENU](#)



Session E3

10:50 ~ 12:30 (29th Oct, 2014)

DISASTERS
Chair: Kohei Cho and Dr. Kyaw Zaya Htun

Name	Country/ region	Paper ID	Title of Paper
Dr. Kuo-Hsin Tseng	China Taipei	New0002	MONITORING MEKONG RIVER LEVEL CHANGE BY SATELLITE ALTIMETRY
Dr. Meng-Hsun Hsieh	China Taipei	OS-126	DEVELOPMENT OF A WARNING ASSESSMENT MODEL FOR RAINFALL-INDUCED LANDSLIDES HAZARD BASED ON LANDSLIDE FRAGILITY CURVES
Dr. Kohei Cho	Japan	OS-145	RAPIDMAP Project for Disasters Monitoring
Ms. Xi Li	Japan	OS-148	FLOOD ANALYSIS AND FORECASTING BY SPATIO-TEMPORAL DATA MINING BASED ON HISTORICAL SATELLITE IMAGE DATABASE
Dr. Kyaw Zaya Htun	Myanmar	OS-149	UTILIZATION OF SPACE BASED TECHNOLOGIES FOR DISASTER RISK REDUCTION

[MENU](#)



Session E4

10:50 ~ 12:30 (29th Oct, 2014)

DATA PROCESSING
Chair: U Tin Aung Moe

Name	Country/ region	Paper ID	Title of Paper
Dr. Yoshiyuki Kawata	Japan	OS-127	AUTOMATIC RECONSTRUCTION OF 3D CITY FROM LIDAR POINT CLOUD DATA
Mr. Naoki Katayama	Japan	OS-307	Comparison between nighttime light and socioeconomic indicators on an international scale using VIIRS day-night band
Mr. Teerayoot Sawangsri	Thailand	OS-125	VICARIOUS CALIBRATION OF THAICHOTE OVER THAILAND
Mr. Wasanchai Vongsantivanich	Thailand	OS-292	The Evolution of GISTDA Satellite Operation Center
Dr. Enrico Camero Paringit	Philippines	OS-032	Spectral Characterization of Coconut Scale Insect (CSI) from Field Spectoradiometric Measurements and High-resolution Superspectral Imagery

[MENU](#)



Session E5

10:50 ~ 12:30 (29th Oct, 2014)

GEOLOGY
Chair: Dr. Kyaw Sann Oo

Name	Country/ region	Paper ID	Title of Paper
Dr. ANUPHAO AOBPAET	Thailand	OS-112	YANGON SURFACE DISPLACEMENT AS DETECTED BY INSAR TIME SERIES ANALYSIS
Ms. Manithaphone Mahaxay	Thailand	OS-190	ARCHAEOLOGICAL HERITAGE RESOURCE MAPPING: PYU ANCIENT CITIES, MYANMAR
Dr. Can Ayday	Turkey	OS-191	DETECTING DIFFERENT BORAX MINERALS ZONES IN THE KIRKA BORAX OPEN PIT MINE BY ASTER SATELLITE IMAGES

[MENU](#)



Session E610:50 ~ 12:30 (29th Oct, 2014)**LAND RESOURCES**
Chair: Dr. Bob Ryerson**The 35th ASIAN CONFERENCE ON
REMOTE SENSING 2014**

Name	Country/ region	Paper ID	Title of Paper
Changping Huang	China	New0009	Impacts of directional reflectance on the retrieval and interpretation of sun-induced chlorophyll fluorescence
Dr. Dhruva Pikha Shrestha	Netherlands	OS-231	LAND DEGRADATION MODELLING IN INACCESSIBLE MOUNTAINOUS AREAS IN THE TROPICS
Dr. Bob Ryerson	Canada	OS-261	GEOGRAPHIC INFORMATION AND REMOTE SENSING: ESSENTIAL TOOLS IN REDUCING POVERTY IN THE POST-2015 WORLD
Mr. Hsin-Hao Lien	China Taipei	OS-281	Downscaling Advanced Microwave Scanning Radiometer 2 (AMSR2) surface soil moisture using normalized multi-band drought index (NMDI) and leaf area index (LAI)
Dr. GRACIELA ISABEL METTERNICHT	Australia	OS-285	REMOTE SENSING OF GLOBAL AND REGIONAL LAND DEGRADATION PROCESSES FOR IMPROVED LAND GOVERNANCE

[MENU](#)**Session F1**09:00 ~ 10:40 (30th Oct, 2014)**COASTAL ZONE**
Chair: Dr. Win Tint**The 35th ASIAN CONFERENCE ON
REMOTE SENSING 2014**

Name	Country/ region	Paper ID	Title of Paper
Dr. Hieu Nguyen	Vietnam	OS-092	ESTABLISHING AND STANDARDIZING COASTLINE ON SATELLITE IMAGES
Dr. Maged Marghany	Malaysia	OS-093	HYBRID GENETIC ALGORITHM FOR THREE DIMENSIONAL PHASE UNWRAPPING FOR SIMULATION OF VOLUME CHANGE OF SHORELINE
Dr. Maged Marghany	Malaysia	OS-094	COSMO-SKYMED FOR AUTOMATIC DETECTION OF OIL SPILL USING ON MULTI-OBJECTIVE EVOLUTIONARY ALGORITHM ALONG GULF OF THAILAND
Mr. Va-Khin Lau	China Taipei	OS-096	Mapping Seagrass bed in Thuy Trieu Lagoon (Vietnam) by using Landsat 8 image
Mr. Fabian Surya Pramudya	Indonesia	OS-097	Satellite-Based Benthic Habitat Mapping Using LANDSAT 8 in Nusa Lembongan and Nusa Ceningan Island, Bali

[MENU](#)

Session F209:00 ~ 10:40 (30th Oct, 2014)**DATA PROCESSING**
Chair: Dr. Peter Shih**The 35th ASIAN CONFERENCE ON
REMOTE SENSING 2014**

Name	Country/ region	Paper ID	Title of Paper
Mr. Wilson V. C. Wong	Japan	OS-002	Accuracy assessment of global topographic data (SRTM & ASTER GDEM) in comparison with LiDAR for tropical mountain forest
Ms. Jou-Yu Yen	China Taipei	OS-128	Comparison of Normalized Cross Correlation and Mutual Information for Feature Line Matching
Dr. Peter Tian-Yuan Shih	China Taipei	OS-132	Geomorphological Change Analysis of Bazhang Shih River Channel with Historic Photographs
Mr. Siam Lawawirojwong	Thailand	OS-134	Evaluation of Uncertainty in Classification Accuracy
Mr. Charis Lanaras	Switzerland	OS-153	A comparison and combination of methods for co-registration of multi-modal images

[MENU](#)**Session F3**09:00 ~ 10:40 (30th Oct, 2014)**CLIMATE/DISASTER**
Chair: Kohei Cho**The 35th ASIAN CONFERENCE ON
REMOTE SENSING 2014**

Name	Country/ region	Paper ID	Title of Paper
Ms. Niendyawati Supardan	Indonesia	OS-063	SPATIAL ASSESSMENT OF CLIMATE CHANGE IMPACT FOR DENGUE FEVER DISEASE DISTRIBUTION IN EAST JAVA PROVINCE: CASE STUDY UTILIZATION OF GEOSPATIAL INFORMATION FOR PUBLIC HEALTH
Dr. Mohd Nadzri Md Reba	Malaysia	OS-073	An improved method for calibration and validation of MODIS Chlorophyll-a in the North Malacca Straits
Mr. Budiman Arsjad	Indonesia	OS-151	Mapping The Potential Risk Of Landslides in Ciamis Regency, West Java.
Dr. Nina Yulianti	Indonesia	OS-156	A Satellite-Based Early Warning System for Peatland Fires Toward Sustainable Palm Oil in Indonesia
Dr. Aye Aye Khine	Myanmar	OS-222	A GEOGRAPHICAL MODEL FOR PREDICTION OF MALARIA INDEX ON AYEYARWADY REGION

[MENU](#)

Session F4

09:00 ~ 10:40 (30th Oct, 2014)

CLIMATE
Chair: Wataru Takeuchi

Name	Country/ region	Paper ID	Title of Paper
Dr. Minaco Adachi	Japan	OS-068	Estimation of global CO2 emission from soil using temperature and water content measured by MODIS
Dr. GRACIELA ISABEL METTERNICHT	Australia	OS-069	THE ROLE OF GEO-SPATIAL DATA AND INFORMATION IN POLICY MAKING FOR CLIMATE CHANGE RELATED DISASTERS
Dr. Ronald Macatangay	Philippines	OS-071	Inferring CO2 Source Regions Using a Lagrangian Transport Model and GOSAT Retrieved Profiles
Dr. Sultan Kocaman Aksakal	Switzerland	OS-072	GEOMETRIC ACCURACY INVESTIGATIONS ON THE ORTHORECTIFIED AVHRR IMAGES
Mr. NARPAT SINGH RATHORE	India	OS-074	CLIMATE CHANGE TRENDS AND ASSOCIATED ENVIRONMENT IMPACT IN UDAIPUR BASIN OF RAJASTHAN, INDIA

[MENU](#)



Session F5

09:00 ~ 10:40 (30th Oct, 2014)

GEOLOGY
Chair: Dr. Hla Hla Aung

Name	Country/ region	Paper ID	Title of Paper
Dr. Amin Beiranvand Pour	Malaysia	OS-194	The application of Landsat-8 OLI/TIRS data for geological mapping: a case study from SE Iran
Dr. Amin Beiranvand Pour	Malaysia	OS-195	Geological structure mapping for gold exploration targets using PALSAR remote sensing data in the Central Gold Belt, Peninsular Malaysia
Mr. Kimiaki K. Tokumaru	Japan	OS-196	The Kalahari Impact Hypothesis for Moon Genesis – Did the Morokweng Meteoritic Impact (145MA) Break Up the Gondwanaland and Continental Fluid Basalt Generate the Moon?
Dr. Tomonori Deguchi	Japan	OS-197	Deformation Monitoring in the Metro Manila by InSAR technique using PALSAR data
Dr. Antony Harfield	Thailand	OS-199	A CLOUD-BASED PLATFORM FOR GEOLOGICAL DATA ACQUISITION VIA MOBILE DEVICE

[MENU](#)



Session F609:00 ~ 10:40 (30th Oct, 2014)**WATER RESOURCES**
Chair: Dr. Win Win Zin**The 35th ASIAN CONFERENCE ON
REMOTE SENSING 2014**

Name	Country/ region	Paper ID	Title of Paper
Dr. Narender Verma	India	OS-318	APPLICATION OF REMOTE SENSING AND GIS FOR PREVENTION-RISK WARNING OF MALARIA IN GIA LAI AREAS
Mr. Pao-Shan Yu	China Taipei	OS-319	Application of Remote Sensing and Gauged Precipitation Information for Improving Hourly Typhoon Rainfall Forecasting of WRF
Ms. Manithaphone Mahaxay	Thailand	OS-321	Calibration of Hydrological Streamflow Modeling Using MODIS
Mr. Yatin Suwarno	Indonesia	OS-322	Quickbird Imagery for Support to Mapping of Salt Land Suitability in Kupang Bay, East Nusa Tenggara Province – Indonesia
Ms. Ma. Rosario Concepcion Ortiz Ang	Philippines	OS-323	Development of Geospatial Tools for Tidal Current Energy Resource Assessment: A Case of Verde Island Passage, Philippines

[MENU](#)**Session G1**10:50 ~ 12:30 (30th Oct, 2014)**HYPERSPECTRAL SENSING
CLASSIFICATION & APPLICATION**
Chair: Dr. Peter Shih and Dr. Fuan Tsai**The 35th ASIAN CONFERENCE ON
REMOTE SENSING 2014**

Name	Country/ region	Paper ID	Title of Paper
Mr. Konosuke Kataoka	Japan	OS-239	Evaluation of projection model for random point cloud
Dr. Shinya Odagawa	Japan	OS-235	Improvement of Estimation method for Gramineous Crop Productivity using Normalization of Hyperspectral Data
Mr. Hengqian Zhao	China	OS-187	EVALUATION OF THE EFFECTS OF CONTINUUM REMOVAL ON THE ACCURACY OF MINERAL SPECTRAL UNMIXING MODELS
Mr. Munkh-Erdene Dari Ekh Altangerel	Mongolia	OS-223	FEATURE EXTRACTION AND CLASSIFICATION OF HYPERSPECTRAL IMAGES
Mr. Jyun-Syuan Huang	China Taipei	OS-225	Integration of airborne hyperspectral imagery and airborne lidar point clouds for object-based classification

[MENU](#)

Session G210:50 ~ 12:30 (30th Oct, 2014)**URBAN**
Chair: Nguyen Dinh Duong**The 35th ASIAN CONFERENCE ON
REMOTE SENSING 2014**

Name	Country/ region	Paper ID	Title of Paper
Mr. Tatsuya Yamamoto	Japan	OS-308	Building Classification using Airborne LiDAR Data with Satellite SAR Data
Ms. Marina Mohd Nor	Malaysia	OS-312	Urban Morphology Analysis by Remote Sensing and GIS Technique. Case Study: Georgetown, Penang.
Dr. Mohsen Ahadnejad Reveshty	Iran (Islamic Republic of)	OS-313	Assessment of Urban Temperature Spatial Distribution Based on Effective Indices Using Satellite Imagery and Ground Truth Data (A case Study Tehran city)
Dr. Scott Hawken	Australia	OS-314	Remote Sensing of Urban Ecological Infrastructure: a review of current approaches using multiple sensors
Ms. Ching-Hui Hung	China Taipei	PS-075	Orientation Determination of UAV Images Using Point and Line Control

[MENU](#)**Session G3**10:50 ~ 12:30 (30th Oct, 2014)**INNOVATIVE UAV APPLICATIONS**
Chair: Armin Gruen**The 35th ASIAN CONFERENCE ON
REMOTE SENSING 2014**

Name	Country/ region	Paper ID	Title of Paper
Dr. Norman Kerle	Netherlands	OS-310	Urban structural damage assessment with oblique UAV imagery, object-based image analysis and semantic reasoning
Mr. Rongjun Qin	Singapore	OS-106	QUALITY ASSESSMENT OF IMAGE MATCHERS FOR DSM GENERATION - A COMPARATIVE STUDY BASED ON UAV IMAGES
Dr. Genya Saito	Japan	OS-083	DEVELOPMENT OF HYPERSPECTRAL IMAGING SENSOR, WHICH MOUNTED ON UAV FOR ENVIRONMENTAL STUDY AT COASTAL ZONE
Dr. Caesar Singh	USA	OS-298	Evaluating, mapping, and managing unpaved road networks using high-resolution remote sensing data
Dr. Timo Bretschneider	Singapore	PS-077	UAV-based gas pipeline leak detection

[MENU](#)

Session G410:50 ~ 12:30 (30th Oct, 2014)**WebGIS**

Chair: Dr. Lal Samarakoon

**The 35th ASIAN CONFERENCE ON
REMOTE SENSING 2014**

Name	Country/ region	Paper ID	Title of Paper
Dr. Supanee Tanathong	Thailand	OS-247	Towards visualizing canal cross-section using data acquired from teleoperated boat
Mr. Syoji Nakamura	Japan	OS-248	Mapping Technology with Two Spherical Cameras and Its Applications
Dr. Sally E. Goldin	Thailand	OS-324	Open Source and Open Standards: Tools for Rapid Development of Community-Oriented GIS
Ms. Shu-Chi Chen	China Taipei	OS-328	The Development of an Integrated and Context-Aware WebGIS of Alerting Information
Dr. Preesan Rakwatin	Thailand	OS-120	Assessment of Cloud Area using Field Server and Image Processing

[MENU](#)**Session G5**10:50 ~ 12:30 (30th Oct, 2014)**FOREST/LAND RESOURCES**

Chair: Mitsunori Yoshimura

**The 35th ASIAN CONFERENCE ON
REMOTE SENSING 2014**

Name	Country/ region	Paper ID	Title of Paper
Mr. Nawarathnaje Lakmal Deshapriya	Thailand	OS-031	Rice Production Forecasting from MODIS NDVI data in Sylhet Region of Bangladesh
Dr. Christine Pohl	Malaysia	OS-136	Compilation of a remote sensing image fusion atlas
Dr. Damdinsuren Amarsaikhan	Mongolia	OS-177	FOREST RESOURCES MAPPING IN MONGOLIA USING MULTISOURCE IMAGES
NGUYEN THI THUY HANH	Vietnam	OS-226	DETECT LAND COVER CHANGE BY USING NDVI DIFFERENCING AND POST-CLASSIFICATION: A CASE STUDY IN HOA BINH – VIETNAM
Dr. GRACIELA ISABEL METTERNICHT	Australia	OS-289	Bridging knowledge and science to sustainable development policy: the role of geospatial technologies

[MENU](#)

Session G610:50 ~ 12:30 (30th Oct, 2014)**NATURAL RESOURCE MANAGEMENT**

Chair: Dr. Moe Myint

**The 35th ASIAN CONFERENCE ON
REMOTE SENSING 2014**

Name	Country/ region	Paper ID	Title of Paper
Dr. Hnin Khaing Aye	Myanmar	OS-098	The Application of Satellite Remote Sensing Techniques for Monitoring Mangrove Forest in Yambye Township, Rakhine State, Myanmar
Susumu Ogawa	Japan	OS-157	Fractal analysis for radioisotope pollution patterns by nuclear power plant accidents
Dr. Moe Myint	Switzerland	OS-163	Geo-Informatics for National Development Planning: Experience of Bhutan
Ms. Haemi Park	Japan	OS-185	Assessment of fire vulnerability through human activity by using road distribution in peat land of Indonesia
Dr. Moe Myint	Switzerland	OS-260	Application of Geo-Informatics for Designing National Forest Inventory System and Forest Resources Potential Assessment of Bhutan

[MENU](#)**Session H1**09:00 ~ 10:40 (31st Oct, 2014)**LAND RESOURCES**

Chair: Dr. Haruhisa Shimoda

**The 35th ASIAN CONFERENCE ON
REMOTE SENSING 2014**

Name	Country/ region	Paper ID	Title of Paper
Dr. Quang Thanh Bui	Vietnam	OS-227	NSDI AS AN ENABLING PLATFORM FOR FACILITATION OF LAND ADMINISTRATION FUNCTIONS IN VIET NAM
Mr. Hiromi Jonai	Japan	OS-229	Agent-based Model Analysis of Landowner's Motivation in Land Use Change from Home Garden at Kandy City in Sri Lanka.
Dr. Haruhisa Shimoda	Japan	OS-330	Global Change Observation Mission (GCOM)
Dr. Chih-Yuan Huang	China Taipei	New0001	The Challenges of Constructing a Sensor Web Data Stream Management System
Yuan Zhang	China	New0004	The socioeconomic drivers of land cover dynamics in the Li River basin, China

[MENU](#)

Session H209:00 ~ 10:40 (31st Oct, 2014)**NEW GENERATION SENSORS & APPLICATIONS**

Chair: Dr. Kyaw Tin

**The 35th ASIAN CONFERENCE ON
REMOTE SENSING 2014**

Name	Country/ region	Paper ID	Title of Paper
Mr. Kyaw Tin	Myanmar	OS-233	MINI SATELLITE REMOTE SENSING – A CONVERGENCE OF INNOVATION AND POLICIES
Dr. Timo Bretschneider	Singapore	OS-238	Container tracking via AIS satellites
Dr. Pingping Yi	United Kingdom	OS-241	ADVANCED SMALL SATELLITE CONSTELLATIONS FOR EARTH OBSERVATION SERVICES
Mr. KENNETH OLAFSSON	Norway	OS-244	A new Approach to Ground Infrastructure - KSAT Small Antenna Network
Mr. Martin Krynitx	Norway	OS-245	Inclined Satellite Orbits and Resulting Ground Satation Network Solutions for Near Equatorial Areas

[MENU](#)**Session H3**09:00 ~ 10:40 (31st Oct, 2014)**NEW GENERATION SENSORS & APPLICATIONS**

Chair: Dr. Kyi Twin

**The 35th ASIAN CONFERENCE ON
REMOTE SENSING 2014**

Name	Country/ region	Paper ID	Title of Paper
Ms. Yu-Tien Wu	China Taipei	OS-237	Effects of the incidence angle and surface type on the LiDAR intensity value
Dr. Martin Isenburg	Germany	OS-242	DIGITIZING 60 METERS OF FULL WAVEFORM LIDAR IN A DENSE TROPICAL RAINFOREST
Mr. Kenta Sugiyama	Japan	OS-249	Land slide Monitoring by LiDAR and digital camera with band path filters.
Mr. Hsien-Ming Wu	China Taipei	OS-250	Relevance of Vegetation Indices from Multispectral Image and Airborne Full-Waveform LiDAR in Urban Area
Mr. Yunjae Choung	USA	OS-251	Research on Mapping Levee Lines Using LiDAR Data in the Nakdong River Basins, South Korea

[MENU](#)

Session H409:00 ~ 10:40 (31st Oct, 2014)**NEW GENERATION SENSORS & APPLICATIONS**

Chair: Dr. Gu Xinfu

**The 35th ASIAN CONFERENCE ON
REMOTE SENSING 2014**

Name	Country/ region	Paper ID	Title of Paper
Dr. Ning Wei	China	OS-278	Strategies to promote the application of satellite remote sensing in emerging areas
Mr. Chuang-Wei Hsueh	China Taipei	OS-293	CONSTELLATION DESIGN AND ARRANGEMENT STRATEGIES OF TAIWAN REMOTE SENSING SATELLITES
Mr. Raghava Murthy Venkata Ananth Dantu	India	OS-294	Indian Remote Sensing Satellites: In Orbit and Planned Satellites
Mr. Alex da Silva Curiel	United Kingdom	OS-295	The role of small satellites in sustainable development and in national Earth Observation systems

[MENU](#)**Session H5**09:00 ~ 10:40 (31st Oct, 2014)**CAPACITY BUILDING & SATELLITE PROGRAM**

Chair: Dr. Kohei Cho

**The 35th ASIAN CONFERENCE ON
REMOTE SENSING 2014**

Name	Country/ region	Paper ID	Title of Paper
Dr. Nguyen-Thanh Son	China Taipei	OS-023	Rice yield estimation with satellite data
Mr. Bambang Riadi	Indonesia	OS-024	THE EVALUATION OF LAND TO AGRICULTURE IN BANGGAI REGENCY
Dr. Mazlan Hashim	Malaysia	OS-034	Innovative Research In Remote Sensing Applications for Geospatial Solutions at Universiti Teknologi Malaysia
Dr. Michel Siguier	France	OS-279	Earth Observation: from Systems to Services and from In-orbit cameras to Value-Added Products
Mr. Shih-Chieh Chou	China Taipei	OS-290	Development of Interoperable Multi-Satellite Operations Platform

[MENU](#)

Session H6

DISASTER & CLIMATE

09:00 ~ 10:40 (31st Oct, 2014)

Chair: Dr. Daw Yin Yin Nwe and Dr. Peter Shih

Name	Country/ region	Paper ID	Title of Paper
Mr. David Stanley	Canada	OS-220	One Laptop, One Weekend and 4,000 UltraCamX Large Format Aerial Photo
Ms. Chia-Ying Lee	China Taipei	OS-143	Surface Deformation from Multi-temporal Insar Methods with Alos Palsar in Pingtung Plain
Mr. Hieu Nguyen	Korea, Republic of	OS-076	ATMOSPHERIC CORRECTION FOR ESTIMATION OF ABOVE-GROUND CROP BIOMASS – A COMPARISON
Ms. SUDE SURIGUGE	Japan	OS-077	Comparison analysis of CH4 estimations from biophysical modeling, satellite measurement and inventory data in Siberian natural wetland
Dr. SIOW WEI JAW	Malaysia	OS-316	CALIBRATION FACILITY FOR ANALYSING LOCATIONAL AND DETECTABILITY ACCURACIES OF GROUND PENETRATING RADAR

[MENU](#)



Session PS-1

13:30 ~ 15:10 (28th Oct, 2014)

Name	Country/ region	Paper ID	Title of Paper
Ms. Ahram Song	Korea, Republic of	OS-062	COMPARISON STUDY ON SOLAR IRRADIANCE SPECTRA FOR COMS MI APPLICATION OF HELIOSAT
Mr. Wonseok Choi	Korea, Republic of	OS-064	Modified method of cloud index estimation for deriving solar irradiance by using Heliosat-II method
Dr. Fuan Tsai	China Taipei	PS-002	MULTI-TEMPORAL VIRTUAL 3D CAMPUS INTEGRATED WITH HISTORIC GIS DATA
Dr. Hiroto Shimazaki	Japan	PS-003	A preliminary study on using MODIS NDVI time series for mapping abandoned farmlands in mountainous areas
Ms. Laura Abril	Japan	PS-004	Spatial extent of the Brown planthopper (BPH) Nilaparvata lugens (Stal.) in rice plantations in two provinces of Thailand

[MENU](#)



Session PS-1

13:30 ~ 15:10 (28th Oct, 2014)

Name	Country/ region	Paper ID	Title of Paper
Mr. Hong-Yi Fang	China Taipei	PS-005	Cropland classification from MODIS-Landsat fusion data using linear un-mixing model
Dr. Teppei Ishiuchi	Japan	PS-006	Study on the creation of ultraviolet distribution map using satellite images
Mr. Red Manaog Castilla	Philippines	PS-007	Characterization of columnar water vapor measurements and its comparison with model estimates and surface meteorological parameters over Manila, Philippines (14.567° N, 120.980° E)
Mr. Floyd Rey Padua Plando	Philippines	PS-008	Aerosol Optical Thickness and Total Ozone Column Diurnal Variation and Characterization Using a Microtops II Sunphotometer in Manila, Philippines
Ms. Meng Wu	Germany	PS-015	Recognition of Pedestrians and Vehicles Based on HOG and PCA

[MENU](#)



Session PS-1

13:30 ~ 15:10 (28th Oct, 2014)

Name	Country/ region	Paper ID	Title of Paper
Dr. Liang-Chien Chen	China Taipei	PS-018	Parameter Optimization of Feature-Aided Dense Matching for Multi-angle Images
Mr. Szu-Chi Peng	China Taipei	PS-020	URBAN ROAD EXTRACTION FROM OPTICAL REMOTELY SENSED IMAGERY
Dr. Chi-Chung Lau	China Taipei	PS-021	SAR IMAGE SIMULATION FOR GEOMETRIC AND RADIOMETRIC TERRAIN CORRECTION
Mr. Jojene Rendon Santillan	Philippines	PS-022	DETECTION AND CORRECTION OF ASTER GDEM v2 DATA ANOMALIES THROUGH DEM DIFFERENCING
Mr. Jhe-Syuan Lai	China Taipei	PS-023	Application of Swarm Intelligence for Landslide Susceptibility Modeling from Geospatial Data Fusion

[MENU](#)



Session PS-1

13:30 ~ 15:10 (28th Oct, 2014)

Name	Country/ region	Paper ID	Title of Paper
Mr. Junyi Huang	Hong Kong	PS-026	GIS-based landslide susceptibility mapping in Lantau Island, Hong Kong by frequency ratio and logistic regression model
Mr. Tai Dinh Nguyen	Vietnam	PS-027	Integrated remote sensing and GIS for landslide research in Bac Kan province by combining analytic hierarchy process and bivariate statistical analysis approach
Mr. Yuji Kuwahara	Japan	PS-028	Research on the extraction accuracy improvement of mangrove forests
Mr. Yukio Wada	Japan	PS-029	Forest carbon stock estimation using ALOS/PRISM in case of Myanmar
Mr. Naoki Mitsuzuka	Japan	PS-030	Nationwide trends of forest distribution using SPOT Vegetation time series approach in case of Myanmar

[MENU](#)



Session PS-1

13:30 ~ 15:10 (28th Oct, 2014)

Name	Country/ region	Paper ID	Title of Paper
Mr. Dan Thanh Tran	China Taipei	PS-031	Change Detection of Mangrove Forests in West and Central Africa with Landsat Imagery
Mr. Hieu Nguyen	Korea, Republic of	PS-032	A ESTIMATING ABOVE GROUND CORN BIOMASS BY COMBINING SATELLITE IMAGERY AND FIELD INVENTORY
Prof. Chi-Chuan Cheng	China Taipei	PS-033	ANALYZING THE TEMPORAL VARIATIONS OF NET PRIMARY PRODUCTIVITY OF TAIPEI CITY THROUGH REMOTE SENSING
Mr. Irmadi Nahib	Indonesia	PS-035	FOREST BALANCE AND IT'S ECONOMIC VALUATION AT BUOL REGENCY, CENTRAL SULAWESI PROVINCE, INDONESIA USING GEOGRAPHICAL INFORMATION SYSTEM AND BENEFITS TRANSFER METHOD
Mr. Chia-Cheng Yeh	China Taipei	PS-040	A Priori Study of Using Spatial Data Mining Technology with FORMOSAT-2 Imagery for Analyzing Potential Landslide-causing Factors

[MENU](#)



Session PS-1

13:30 ~ 15:10 (28th Oct, 2014)

Name	Country/ region	Paper ID	Title of Paper
Mr. Bangkit Adhi Nugraha	Indonesia	PS-041	Ground Surface Changes Detection at Geothermal Surface Manifestations Using Multi-temporal Landsat Imageries
Ms. Fitri Aprilia Anugrah	Indonesia	PS-043	Surface Roughness Modelling Using Fully Polarimetric SAR Data to Delineate Mineralization Zone at Volcanic Terrain
Mr. Cheong-Gil Jin	Korea, Republic of	PS-024	A STUDY OF NORMALIZING TOA RADIANCE METHOD FOR EARTH OBSERVATION SATELLITES WITH SIMILAR SPECTRAL BANDWIDTH

[MENU](#)



Session PS-2

13:30 ~ 15:10 (29th Oct, 2014)

Name	Country/ region	Paper ID	Title of Paper
Mr. Syarifuddin Bin Misbari	Malaysia	OS-105	Evaluation of median filtering impact on satellite-based submerged seagrass mapping accuracy in moderate clarity of tropical coastal water
Dr. Yu-Chi Kao	China Taipei	OS-325	THE APPLICATION OF VGI ON SPATIAL CLUSTER ANALYSIS OF TRAFFIC INCIDENTS
Dr. Karel Pavelka	Czech Republic	OS-001	Using of close range photogrammetry in image based modelling form for archaeology
Dr. Jin-King Liu	China Taipei	OS-084	Enhancement methods for mapping the boundaries of submerged rocks in shallow waters with Worldview-2 images
Dr. Quo-Cheng Sung	China Taipei	OS-198	Using multi-temporal geomorphological data to assess the denudation rate and erosion characteristics of Gutingkeng mudstone in SW Taiwan

[MENU](#)



Session PS-2

13:30 ~ 15:10 (29th Oct, 2014)

Name	Country/ region	Paper ID	Title of Paper
Dr. Karel Pavelka	Czech Republic	OS-299	RPAS as a tool for the research, documentation and monitoring
Mr. Jinwoo Park	Korea, Republic of	OS-301	DEVELOPMENT OF A SMART DEVICE-BASED telemetry AND PHOTOGRAPHING SYSTEM FOR PHOTOGRAMMETRIC UAV SYSTEM ON NON-VISIBLE AREA.
Ms. Pei-Chen Yang	China Taipei	PS-046	Location suitability analysis of Environmental Education Facilities
Mr. Byeongjun Sung	Korea, Republic of	PS-047	A Geospatial Patterns Analysis of Traffic Accidents in Jinju, Korea
Mr. Gyuhan Bae	Korea, Republic of	OS-048	Fire Risk Assessment on the Land Use Zoning in Korea

[MENU](#)



Session PS-2

13:30 ~ 15:10 (29th Oct, 2014)

Name	Country/ region	Paper ID	Title of Paper
Ms. Misong Kim	Korea, Republic of	PS-049	A Service District Analysis on Health Care Facilities in a Local City of Korea
Ms. Tzu-Liang Chou	China Taipei	PS-051	Non-metric Digital Cameras of Zoom-dependent Image Point Refinement
Ms. Hui Chuan Li	China Taipei	PS-052	Numerical Approach for Analyzing Critical Configurations of Single Photo Resection
Dr. Chunyu Yue	China	PS-056	Preliminary Study on Space-borne Laser Altimeter Supported Aerotriangulation
Dr. Chih-Li Chang	China Taipei	OS-057	A PRELIMINARY STUDY OF A NEW X-BAND SAR SATELLITE MISSION FOR TAIWAN

[MENU](#)



Session PS-2

13:30 ~ 15:10 (29th Oct, 2014)

Name	Country/ region	Paper ID	Title of Paper
Ms. Genevieve Lavoie	Canada	PS-059	MONITORING RESPONSIBLE RESOURCE DEVELOPMENT AND COMMUNITY LAND-USE USING MULTI-DATE RAPIDEYE DATA
Mr. TSUNG-HSIEN JUAN	China Taipei	PS-060	AN IMPROVED DTBs METHOD FOR AUTOMATIC TRAFFIC SIGN RECOGNITION+G229:G253
Ms. Huei-Yi Cheng	China Taipei	PS-061	Effect of Water Property on Depth Measurements by Airborne LiDAR Bathymetry
Dr. Kiyonari Fukue	Japan	PS-066	Global Land Cover Classification Using Surface Reflectance Products
Dr. Jin-King Liu	China Taipei	OS-067	Historical Aerial Photographs Used for Analyzing Topographic Changes of Hsiaolin Landslide Area

[MENU](#)



Session PS-2

13:30 ~ 15:10 (29th Oct, 2014)

Name	Country/ region	Paper ID	Title of Paper
Mr. Anh Huy Nguyen	Vietnam	PS-069	USING REMOTE SENSING AND GIS TO BUILD VEGETATION STATUS MAP FOR PHU LOC DISTRICT, THUA THIEN HUE PROVINCE, VIETNAM
Ms. Niendyawati Supardan	Indonesia	PS-071	UTILIZATION OF RS DATA AND GIS FOR ACCELERATING ADMINISTRATION BOUNDARIES DELIMITATION: CASE STUDY CENTRAL KALIMANTAN PROVINCE, INDONESIA
Mr. Takuya Kosaka	Japan	PS-074	Visual verification of civil engineering structures by UAV
Mr. Kai-Zhi Zhan	China Taipei	PS-076	Least squares multiple images matching for large coverage aerial image and small coverage UAV image
Mr. Dang Kinh Bac	Vietnam	OS-079	RESEARCH ON URBAN CHANGES IN A RELATIONSHIP WITH GEOGRAPHICAL FACTORS IN THE WESTERN REGION OF HANOI DURING THE PERIOD 2000-2014

[MENU](#)



Session PS-2

13:30 ~ 15:10 (29th Oct, 2014)

Name	Country/ region	Paper ID	Title of Paper
Mr. LE MING LEE	Malaysia	PS-080	Experimental and Analytical Study of Underground Water Pipes Leakage Detection Using Ground Penetrating Radar
Mr. Wen-Mao Yen	China Taipei	PS-081	Analysis of urban heat island intensity and its impact on regional precipitation over Tainan city in Taiwan
Ms. HUI LIN NG	Malaysia	PS-082	Urban Building Structure Concrete Cracks Detection Using Image-Based Non-Destructive Geotechnical Technique
Mr. SungHyun Jang	Korea, Republic of	PS-085	Spatial Distribution Patterns of Clean Water System
Mr. Santos D. Chicas	Japan	OS-091	Detecting Forest Change and Disturbance in the Toledo district

[MENU](#)



Session PS-3

13:30 ~ 15:10 (30th Oct, 2014)

Name	Country/ region	Paper ID	Title of Paper
Qiming Qin	China	New0003	A rapid matching approach for large-scale urban imagery
Yi-Chen Chen	China Taipei	New0010	Constraint-Base Lidar Point Cloud Fitting
Mr. Hohyun Jeong	Korea, Republic of	OS-007	Smart Camera calibration for Photogrammetry application
Ms. Jisun Choi	Korea, Republic of	OS-095	SPATIAL ANALYSIS OF THE TAEAN SHORELINE CHANGE
Mr. Hoyong Ahn	Korea, Republic of	OS-273	Study of Surface Temperature with Land cover Change using Landsat

[MENU](#)



