

ASIAN CONFERENCE ON REMOTE SENSING 2014

27-31 Oct 2014, Nay Pyi Taw, Myanmar

Program Book

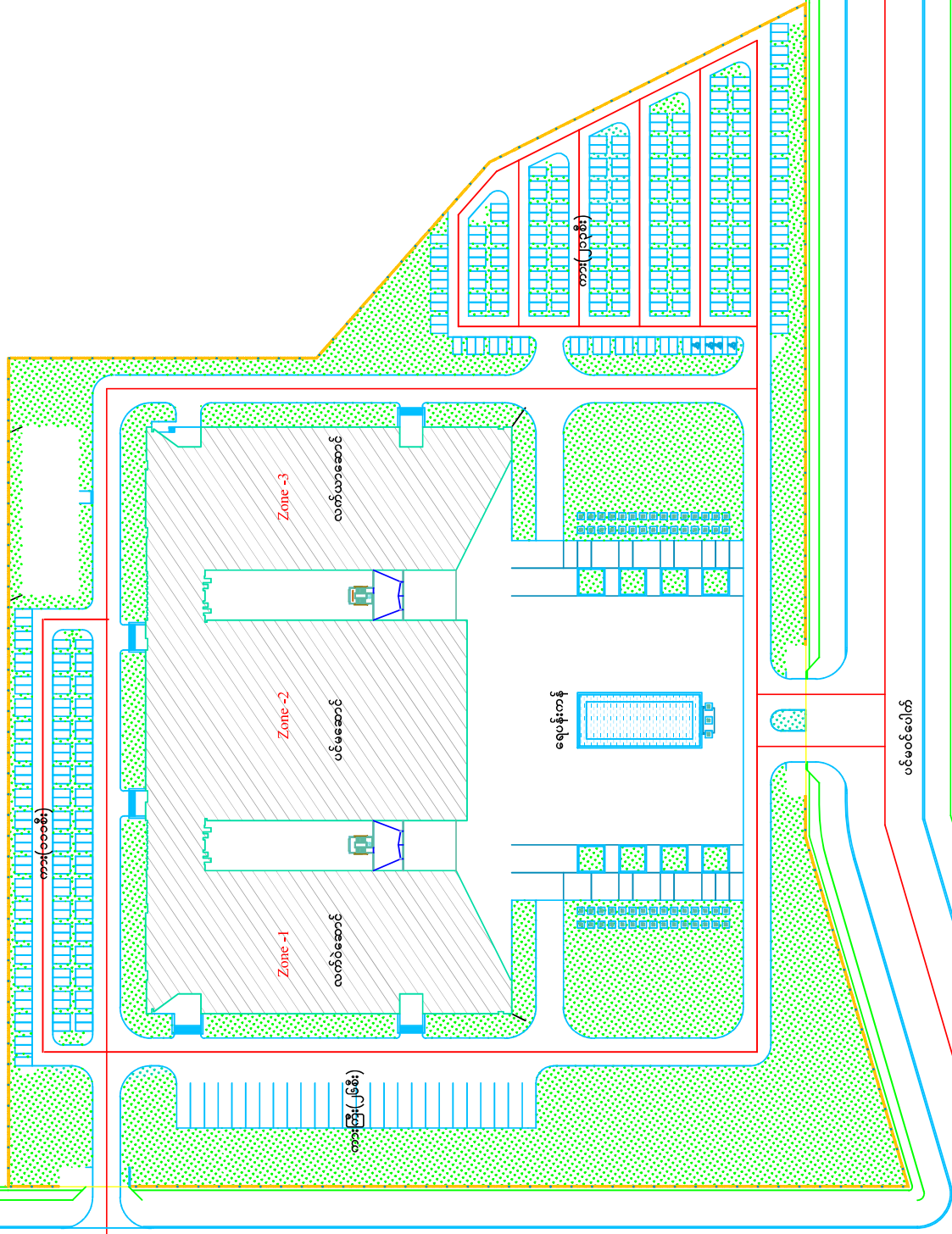
35TH ACRS 2014



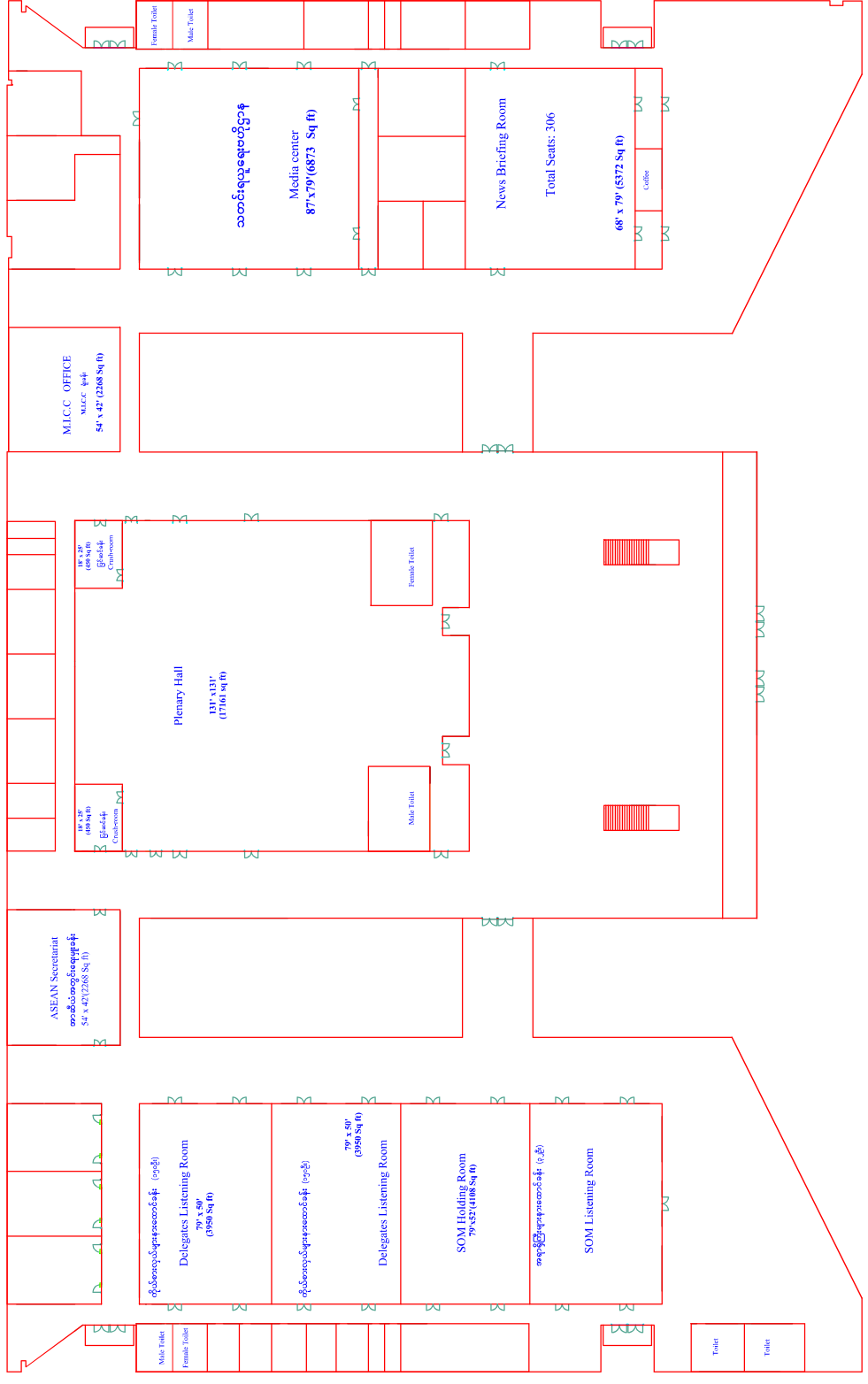
CONTENT

	Page
1. VENUE	1-3
2. SPONSORS/EXHIBITORS	4-8
3. PROGRAM	9-11
4. ORGANIZERS	12-13
5. ADVERTIZEMENTS	14-19
6. 12 th ISPRS Student Consortium and WGVI/5 Summer School	20
7. WEBCON-4	21-22
8. ACRS SESSIONS	23-55

Myanmar International Convention Center Layout Plan

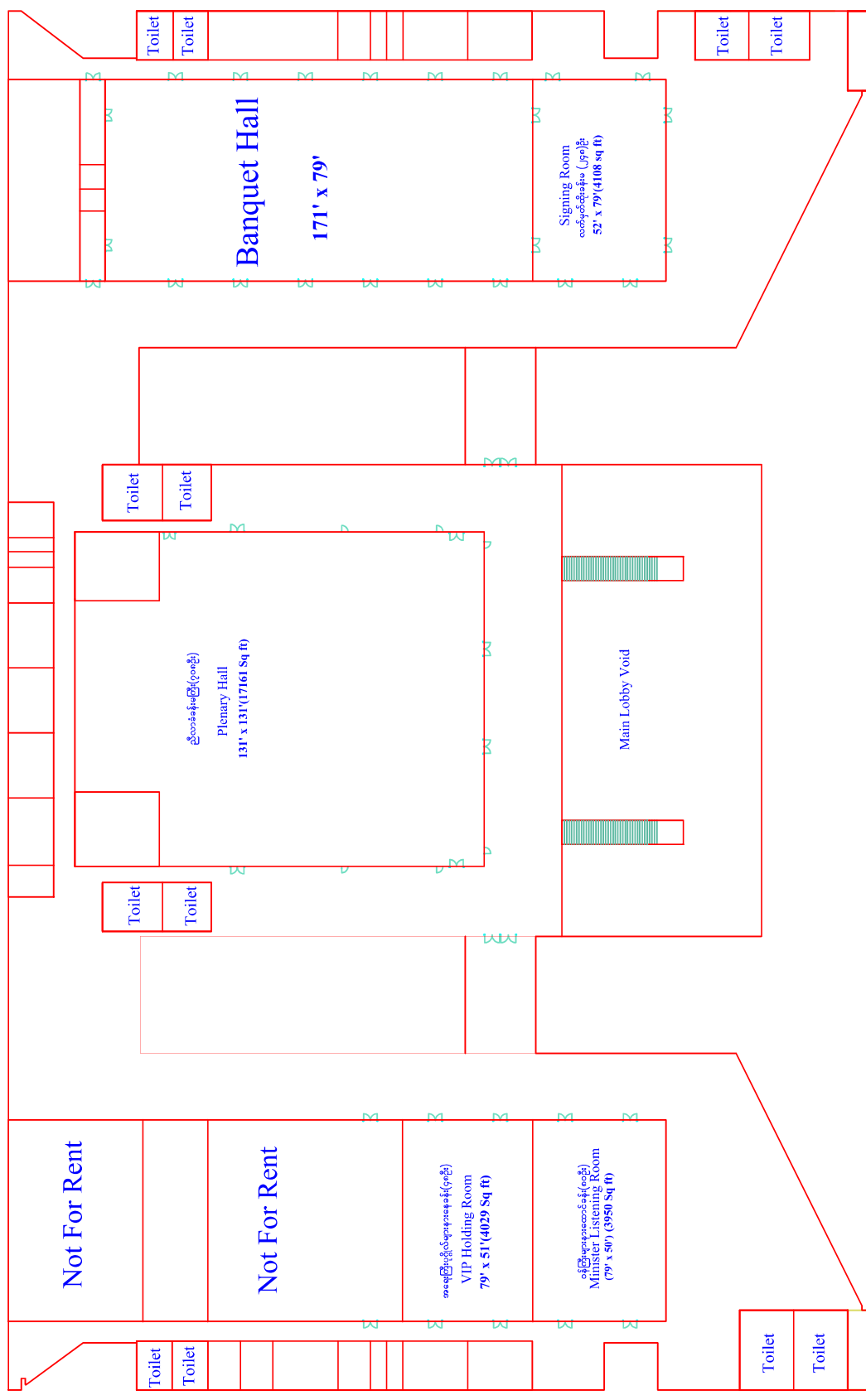


Myanmar International Convention Centre



GROUND FLOOR PLAN

Myanmar International Convention Centre



FIRST FLOOR PLAN

Exhibition Guides

1. Registration:

- Booth Registration valid until 15 October 2014
- The registration form is available online in the ACRS 2014's website (http://www.acrs2014.com/exb_registration.php)
- Invoice will send on received of registration form. The exhibitor has to send bank transfer receipt to us and we will send back confirmation letter and receipt of payment.

2. Exhibition Date:

Opening hours	Date
12:00-17:30	Monday, 27 October 2014
08:30-17:00	Tuesday, 28 October 2014
08:30-17:00	Wednesday, 29 October 2014
08:30-17:00	Thursday, 30 October 2014
08:30-12:00	Friday, 31 October 2014

3. Sponsorship:

Level	Privileges	Booth Detail
Platinum Sponsor 12,000 US\$	<ul style="list-style-type: none"> • Booth's size 18 m² (6 m. x 3 m.) • 15 minutes presentation time for product / service at the main conference room • Logo displayed on stage and distributed documents (1 page of A4 sheet) • Free 5 registrants 	<ul style="list-style-type: none"> • 2 light • 1 table and 2 chairs • 1 garbage • 4 power outlets • Carpeting and skirting • Wireless network access • Fascia with company name (up to 25 letters)
Gold Sponsor 8,000 US\$	<ul style="list-style-type: none"> • Booth's size 9 m² (3 m. x 3 m.) • 15 minutes presentation time for product / service at the main conference room • Logo displayed on stage and distributed documents (1 page of A4 sheet) • Free 4 registrants 	<ul style="list-style-type: none"> • 2 light • 1 table and 3 chairs • 1 garbage • 4 power outlets • Carpeting and skirting • Wireless network access • Fascia with company name (up to 25 letters)
Silver Sponsor 4,000 US\$	<ul style="list-style-type: none"> • 30% discount for booth's size 9 m² (3 m. x 3 m.) • 15 minutes presentation time for product / service at the main conference room • Logo displayed on stage and distributed 	<ul style="list-style-type: none"> • 2 light • 1 table and 2 chairs • 1 garbage • 2 power outlets • Carpeting and skirting • Wireless network access • Fascia with company name (up to 25 letters)

Exhibitor 2,000 US\$ per booth	<ul style="list-style-type: none"> documents (1 page of A4 sheet) Free 3 registrants Booth's size 9 m² (3 m. x 3 m.) Logo displayed on stage and distributed documents Free 2 registrants 2 light 1 table and 1 chairs 1 garbage 2 power outlets Carpeting and skirting Wireless network access Fascia with company name (up to 25 letters)
AARS's Sustaining members	30% discount for booth
Presenting Product or service 300US\$	15 minutes presentation time for product/ service at the special session room

4. Payment Detail for Foreign remittance:

- Contact Person : Mr. Aye Thiha, Tel.: + 95 92042233
- Bank transfer (Bank/branch) : DBS Building Singapore
- Account name : Mr. Aye Thiha
- Account number : 00162088621
- SWIFT Code : DESSGSG

5. Payment Detail for Local:

- Contact Person : Mr. Aye Thiha, Tel.: + 95 92042233
- Bank transfer (Bank/branch) : Kanbawza Bank Ltd.
- Account name : U Aye Thiha
- Account number : 021-121-0458938
- SWIFT Code : KBZBMMMY

Remark : Discount 10% for fully payment before 30 June 2014.

6. Confirmation of registration:

- The registration will be confirmed by email (PDF file) after we receive the payment. Those who do not receive a confirmation notice before the conference are strongly recommended to contact person: Mr. Tin Aung Moe (Tel.: +95 949321511, email: tinaungmoe1@gmail.com), Mr. Aye Thiha (Tel.: + 95 92042233, email: ayethiha@royaltreeservices.biz or acrs2014.reg@gmail.com)

7. Cancellation and refund policy:

- Cancelling **before 20 September 2014**: 50% will be refunded from the payment (registration fee, Additional equipment)
- Cancelling **after 20 September 2014**: no payment will be refunded for registration

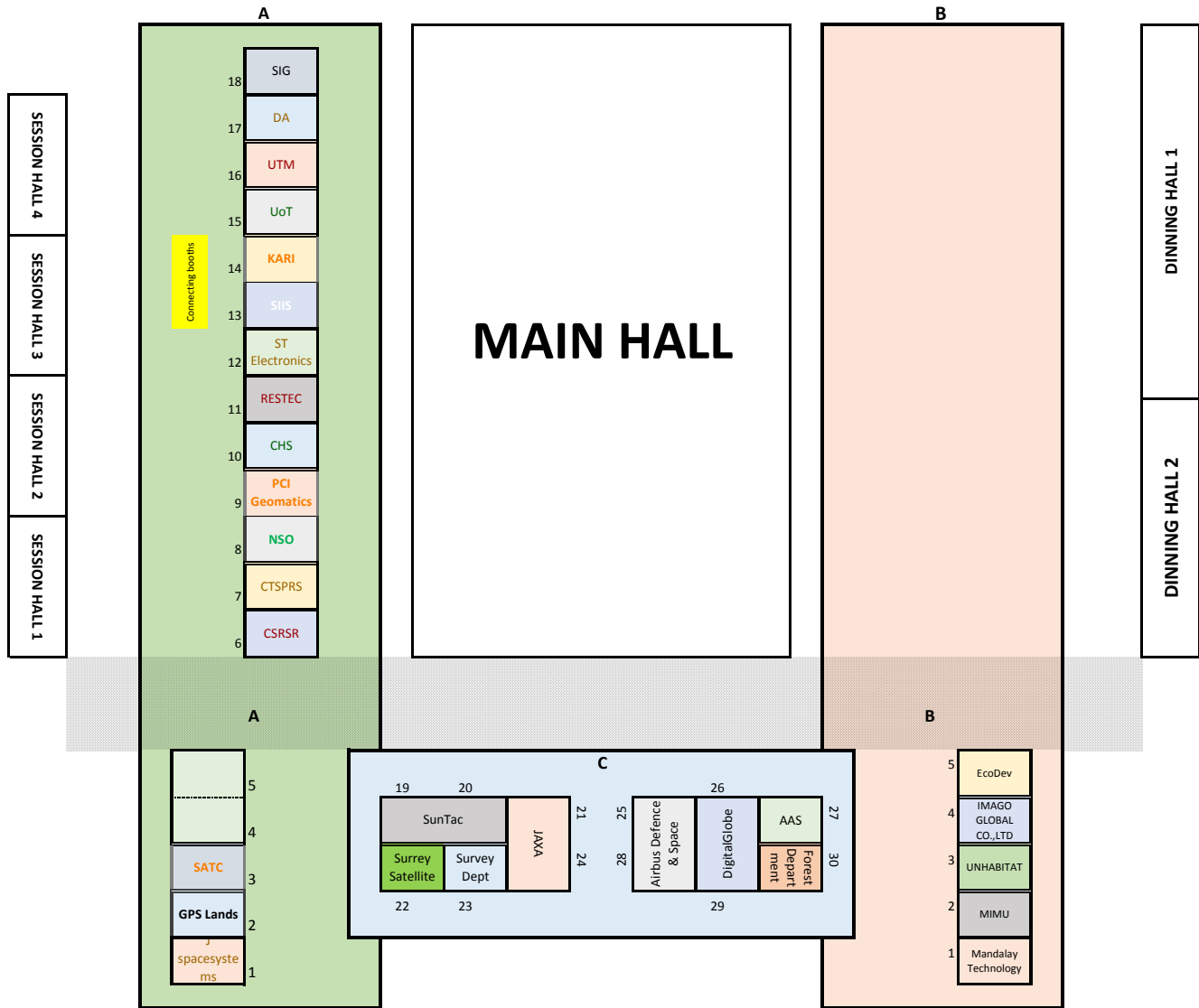
Remark: ** Local Time GMT+6.5**

8. Setting up the exhibition:

- Date : Sunday, 26 October 2014
- Time: 12:00-16:00

9. Dismantling:

- Date: Friday, 31 October 2014
- Time: 13:00-16:00



<p>Organized by</p>	<p>Exhibitors</p>
<p>Gold Sponsor</p>	
<p>Silver Sponsor</p>	

No.	Company	Long Name
A1	J Spacesystems	J Spacesystems
A2	GPS Lands	GPS Lands
A3	SATC	Sarabha Advanced Technological Corridor
A4		
A5		
A6	CSPRS	The Chinese Society of Photogrammetry and Remote Sensing
A7	CSRSR	The Center for Space and Remote Sensing Research
A8	NSPO	The National Space Organization
A9	PIC Geomatics	PCI Geomatics
A10	CHS	Chung Hsing Surveying
A11	RESTEC	Remote Sensing Technology Center of Japan
A12	ST Electronics	Singapore Technologies Electronics Limited
A13	SIIS	Satrec Initiative Imaging Services
A14	KARI	Korean Aerospace Research Institute
A15	UoT	University of Tokyo
A16	UTM	Universiti Teknologi Malaysia (UTM), Institute of Geospatial Science and Technology
A17	DA	Digital Alternatives
A18	S.I.G	Shwe Ingyin - Gems and Fine Jewellery
C19	SunTac	SunTac Technologies
C20	SunTac	SunTac Technologies
C21	JAXA	The Japan Aerospace Exploration Agency
C22	Surrey	Surrey Satellite Technology Ltd
C23	Survey Department	Forest Department
C24	JAXA	The Japan Aerospace Exploration Agency
C25	AirBus	Airbus Defence & Space
C26	DigitalGlobe	DigitalGlobe, Inc.
C27	AAS	Asia Air Survey Myanmar
C28	Airbus	Airbus Defence & Space
C29	DigitalGlobe	DigitalGlobe, Inc.
C30	Forest Department	Forest Department
B1	Mandala Tec	Mandalay Technology
B2	MIMU	Network Activity Group
B3	UNHABITAT	
B4	IMAGO GLOBAL CO.,LTD	IMAGO GLOBAL CO.,LTD
B5	EcoDev	



Organized by



Gold Sponsor



Silver Sponsor



Exhibitors



DATE	TIME	PROGRAM					
10/26/2014	15:00~21:00	Registration at front desk at Man Myanmar Hotel and Others					
Day 1: 27/10/2014 (Monday)	8:00~09:00	Registration (Front desk of MICC-II's Main Lobby)					
	09:00~9:40	Opening Ceremony / Plenary Hall					
	9:00~9:15	● Opening speech by President Office Minister (15min)					
	9:15~9:20	● Welcome Address by Prof. Kohei Cho, AARS General Secretary (5min)					
	9:20~9:25	● Welcome Address by Dr. Chen Jun, ISPRS President (5min)					
	9:25~9:30	● Welcome Address by Emeritus Prof. Shunji Murai, AARS Chairman (5min)					
	9:30~9:35	● Announcement of Chen Shupeng Award (5min)					
	9:35~9:40	● Announcement of Shunji Murai Award (5min)					
	9:40~10:30	Photographing in front of MICC-II and Exhibition start					
		● Exhibition Opening Ceremony					
	10:30~12:00	Keynote Speeches / Plenary Hall					
	10:30~11:00	● Keynote Speech I : Prof. Christian Heipke, ISPRS Secretary General					
	11:00~11:30	● Keynote Speech II : Emeritus Prof. Shunji Murai "Is it possible to predict earthquakes with GNSS data?"					
	11:30~12:00	● Keynote Speech III : Dr. Myint Oo, Rector of University of Forestry					
	12:00~13:30	Lunch / Banquet Hall (2nd Floor)					
	13:30~16:30	Plenary Session / Plenary Hall					
	13:30~13:50	Plenary Session I: "JAXA Earth Observation Program", Prof. Haruhisa Shimoda					
	13:50~14:10	Plenary Session II: Prof. Deren Li (Chinese National Committee for Remote Sensing)					
	14:10~14:30	Plenary Session III: Suntac Technologies Myanmar					
	14:30~14:50	Plenary Session IV: Airbus					
	14:50~15:10	Break and exhibition					
	15:10~15:30	Plenary Session V: Surrey					
	15:30~15:50	Plenary Session VI: Asia Aia Survey					
15:50~16:10	Plenary Session VII: Digital Globe						
16:10~16:30	Plenary Session VIII: Dy. DG of Survey Department						
17:30~21:30	Welcome dinner (Culture night contest) / Banquet Hall (2nd Floor) with Short Speech about XXIII ISPRS Congress in 2016, Prague)						
		ASEAN Secretariat Room	Talk Room 1	Delegates Listening Room 2	Delegates Listening Room 1	SOM Holding Room	SOM Listening Room
	9:00~10:40	Space utilization session #1 for SAFE and agriculture Chair: Dr. Shinichi Sobue	Session A-1 INDOOR/3D Chair: Dr. Masafumi Nakagawa	Session A-2 Agriculture & Crop Chair: Dr. Wataru Takeuchi	Session A-3 Climate Chair: Dr. Hrin Nei Thiam	Session A-4 Forestry Chair: Dr. Nyi Kyaw and Dr. San Win	WEBCON4 -1
	10:40~10:50	Break and exhibition					

Day 2: 28/10/2014 (Tuesday)	10:50~12:30	Space utilization session #2 for ALOS-2 and QZSS (EO+GNSS) Chair: Dr. Lal Samarakoon	Session B-1 Data Processing Chair: Dr. Soe Win Myint	Session B-2 Agriculture & Crop Chair: Dr. Bob Ryerson	Session B-3 Climate Chair: Dr. Hrin Nei Thiam	Session B-4 Forest Chair: Dr. Nyi Nyi Kyaw and Dr. San Win	WEBCON4 -2
	12:30~13:30	Lunch / Media Center Room & News Breifing Room					
	13:30~15:10	White Elephant Session	Poster session - 1 / corridor (40 posters) / corridor				
	15:10~15:20	Break and exhibition					
	15:20~17:00	Student Session	Session C-1 Data Processing Chair: Dr. Soe Win Myint	Session C-2 Decision Support and Models Chair: Nguyen Dinh Duong	Session C-3 GIS Models Chair: Dr. Swe Swe Aye	Session C-4 New Generation Sensors and Applications Chair: Dr. Gu Xinfra and Dr. Kyi Twin	Session C-5 INDOOR/3D Chair: Dr. Masafumi Nakagawa
18:00~21:00	Student Night (Pool Side - Man Myanmar Hotel)				General Conference of AARS-1		
Day 3: 29/10/2014 (Wednesday)	9:00~10:40	Session D-1 Coastal Zone Chair: Dr. Myint Khaing	Session D-2 Data Processing Chair: Emmanuel Baltsavias (Manos)	Session D-3 Disaster Chair: Dr. Kohei Cho and Dr. Hla Hla Aung	Session D-4 Climate Chair: Dr. Masataka Takagi	Session D-5 Forestry Chair: Dr. Myint Oo	Session D-6 RS/GIS Chair: Mr. Maung Maung Than
	10:40~10:50	Break and exhibition					
	10:50~12:30	Session E-1 Coastal Zone Chair: Dr. Myint Khaing	Session E-2 InSAR- Processing Chair: Dr. Peter Shih	Session E-3 Disasters Chair: Dr. Daw Yin Yin Nwe and Dr. Kohei Cho	Session E-4 Data Processing Chair: Mr. Tin Aung Moe	Session E-5 Geology Chair: Dr. Kyaw Sann Oo	Session E-6 Land Resources Chair: Dr. Bob Ryerson
	12:30~13:30	Lunch / Media Center Room & News Breifing Room					
	13:30~15:10	Poster session - 2 (40 posters) / corridor					
	15:10~17:30	Technical Tour (National Landmark Garden, University of Forestry and Agriculture University)					
18:00~21:00	Private dinner at Rose Circle						
	9:00~10:40	Session F-1 Coastal Zone Chair: Dr. Win Tint and Dr. Hnin Khaing Aye	Session F-2 Data Processing Chair: Dr. Peter Shih	Session F-3 Climate/Disaster Chair: Dr. Kohei Cho and Dr. Aye Aye Khine	Session F-4 Climate Chair: Dr. Daw Yin Yin Nwe and Dr. Wataru Takeuchi	Session F-5 Geology Chair: Dr. Hla Hla Aung	Session F-6 Water Resources Chair: Dr. Kyaw Zayar Htun and Dr. Basanta Shrestha

Day 4: 30/10/2014 (Thursday)	10:40~10:50	Break and exhibition					
	10:50~12:30	Session G-1 Hyperspectral Sensing Classification & Application Chair: Dr. Peter Shih and Dr. Fuan Tsai	Session G-2 Urban Chair: Nguyen Dinh Duong	Session G-3 Innovative UAV applications Chair: Dr. Armin Gruen	Session G-4 WebGIS Chair: Dr. Lal Samarakoon	Session G-5 Forest/Land Resources Chair: Dr. Mitsunori Yoshimura	Session G-6 Natural Resource Management Chair: Dr. Moe Myint and Dr. Basanta Shrestha
	12:30~13:30	Lunch / Media Center Room & News Breifing Room				General Conference of AARS-2	
	13:30~15:10	Poster session - 3 (40 posters) / corridor					
	15:10~18:00	Cultural Tour (Visit to Gem museum and white elephants's house)					
	18:00~21:00	Private dinner at Shopping Malls					
Day 5: 31/10/2014 (Friday)	09:00~10:40	Session H-1 Land Resources Chair: Dr. Haruhisa Shimoda	Session H-2 New Generation Sensors and Applications Chair: Dr. Kyaw Tin	Session H-3 New Generation Sensors and Applications Chair: Dr. Kyi Twin	Session H-4 New Generation Sensors and Applications Chair: Dr. Gu Xinfra	Session H-5 Capacity Building and Satellite Program Chair: Dr. Kohei Cho	Session H-6 Disaster and Climate Chair: Dr. Peter Shih and Dr. Kyaw Zayar Htun
	10:40~11:25	Keynote Speeches / Plenary Hall					
	10:40~10:55	Keynote Speech I: Dr. Gay Jane Perez, Univ. of the Philippines "Remote Sensing for A Resilient Philippines"					
	10:55~11:10	Keynote Speech II: Dr. Nyi Nyi Kyaw, DG of FD "Land Policies and Issues"					
	11:10~11:25	Keynote Speech III: U Tin Tun, DG of Planning Department, MOCAF					
	11:25~11:35	Tea/Coffee Break					
	11:35~12:00	Closing Ceremony / Plenary Hall					
		<ul style="list-style-type: none"> • Announcements of Green Asia Award, JSPRS Award and Innovation Award • Report on the 35th Asian Conference on Remote Sensing • Advertisement for the 36th ACRS in the Philippines • Vote of thanks 					
	12:00~13:00	Lunch / Media Center Room & News Breifing Room					

Invitation to ACRS2014

Kohei Cho
General Secretary, Asian Association on
Remote Sensing (AARS)



Dear International Colleagues,
On behalf of Asian Association on Remote Sensing (AARS), I would like to welcome you all to the 35th Asian Conference on Remote Sensing (ACRS) to be held from October 27 to 31, 2014 in Nay Pyi Taw, the beautiful capital of Myanmar. The main theme of the 35th ACRS is “Sensing for Reintegration of Societies”. Various kind of sessions on remote sensing are planned to be organized at the conference. As you may know, ACRS is one of the largest remote sensing conferences held every year in some country in Asia. This year we are organizing ACRS in Myanmar for the first time. Frankly speaking, remote sensing is still not so popular in Myanmar. However, promotion of remote sensing is one of the most important objectives of ACRS. Considering the strong willingness of the ACRS Local Organizing Committee (LOC) of Myanmar, we decided to organize ACRS this year in Myanmar. The Conference is jointly organized by Myanmar Peace Center (MPC), LOC, Ministry of Environmental Conservation and Forestry (MOECAF), and AARS. I would like to thank MPC, LOC, MOECAF and related organizations of Myanmar for their great contribution to realize ACRS2014 in Myanmar. I have visited Myanmar in this August and was quite impressed with the hardwork of the LOC members. The Conference will be organized at the Myanmar International Convention Center II (MICC-II). I should say that MICC-II is one of the largest facilities to organize ACRS. I am sure you will be impressed with the

quality and the size of the facility. As you may remember, last year, we successfully organized the 34th ACRS in Bali, Indonesia. However, since the number of the participants was over 1300, the presentation rooms were not enough. This year, we are not expecting so much participants, but we have prepared enough space and rooms for the Conference. The LOC of Myanmar is working so hard every day and every night for the preparation of the conference. I have no doubt on the success of the conference. On this occasion, I would like to remind you about the latest progress of ACRS and AARS. Up to now, 23 countries and regions from Asia, 9 countries and organizations from outside Asia are members of AARS. In addition, 12 organizations and private companies are sustaining members of AARS. Promotion of students and young scientists is also an important objective of ACRS. We have several awards for promoting young generation including the Shunji Murai Award, the Innovation Award, the Best Student Paper Award, and JSPRS Award. This year we are planning to organize WEBCON4, an exciting web contest for young people. Fresh and original ideas presented at WEBCON are the energy of the new generation in Asia. Since 2010, under the cooperation with ISPRS, we have been organizing the Student Summer School (SS) every year just after ACRS. Last year, More than 50 students and young scientists from various countries attended the one week SS. We are also organizing SS this year just after the 35th ACRS under the support of MOECAF. Famous professors and remote sensing experts from the international community are giving lectures at SS. Studying and enjoying together for few days with international students would be a great experience. The ACRS has been sustained with the following philosophy.

1. Friendship First and Money After!
2. For Asian, by Asian and with Asian!
3. Asian style with Asian culture!

Finally I would like to ask all of you to attend this exciting conference and contribute to improve the quality of the conference by presenting papers, discussing technical issues, exchanging ideas with Asian friends, and sing & dance together at the welcome party. Looking forward to seeing you at ACRS2014 to be organized in Nay Pyi Taw, Myanmar.

Thank you.

~~~~~//~~~~~



Mr. Tin Tun, Currently Director-General of Planning and Statistics of Ministry of Environmental Conservation and Forestry, graduated from Yangon University in 1978 specialized in Forestry. Served in various positions in Forest Department including the plantation officer, Zone Administrator and prominently as a faculty member of University of Forestry. He had been working as Director of Nature and Wildlife Conservation Division of Forest Department for many years before he takes this current position. He did his advanced study in Forestry in Australian National University. He has strong commitment and concern over the education and research of the students. Has been working in Senior Position in Government Sector for many years, he has thorough understanding of conservation and management practices for the environment.

~~~~~//~~~~~

DR. Myint Oo

Being a rector of University of Forestry, Dr. Myint Oo has full responsibility of Academic and Training Sector of Forestry and Research and Human Resources Development for Forest Department. He started his career as

plantation officer right after his graduation from Yangon University. He worked as Resource Mapping and Management Planner for many years and he developed his interests in Remote Sensing and Geographic Information Systems while working in mapping unit of Forest Department.

He served in different capacities and positions in Forest Department. He has strong analytical skill and critical reviewing ability over the cases and he has unique perspective which always be useful for decision making for the institution.

Dr. Myint Oo finished both his Master and Doctorate in Forest Management area from University of Gottingen, Germany.

~~~~~//~~~~~



Dr. Nyi Nyi Kyaw, Director-General of Forest Department, is dedicated research minded person in the Forestry Sector. He graduated from University of Forestry, Yezin in 1986 and started his career in Forestry as Range Officer. He has been assigned to different unit and division of Forest Department and advanced promoted to higher position due to his outstanding performance in the service.

He worked several years in Forest Research Institute focusing on yield and growth of forest related to different physiological features. He is very supportive to Academic and Research work of young generation and always welcome new area of cooperation and collaboration for the development and improvement of the institution.

~~~~~//~~~~~



Room 5,7,8,12 Building 5, Building 8, Myanmar ICT Park, Hlaing (11052), YANGON, MYANMAR.

Phone: +951 652245, 652246, 652310, 652312, Fax: +951 652287, www. suntactechnologies.com, info@suntactechnologies.com

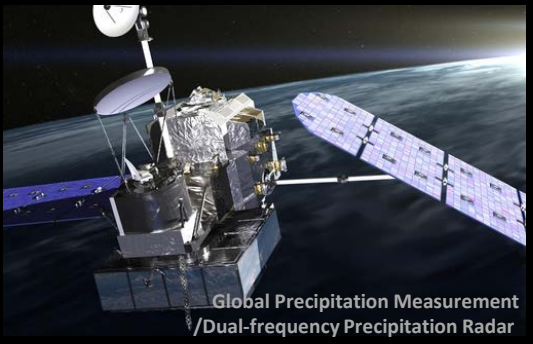
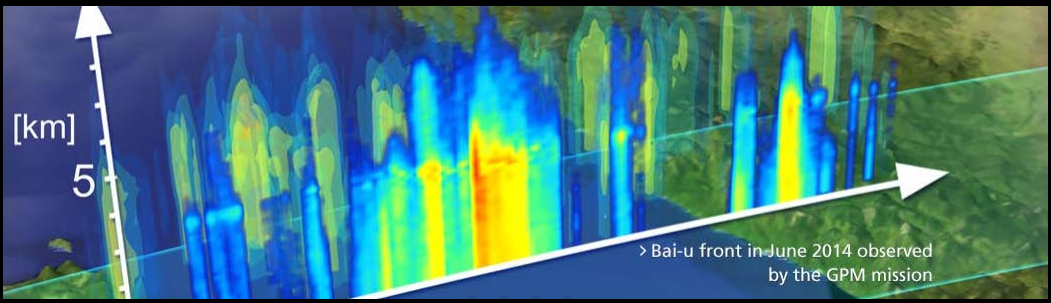
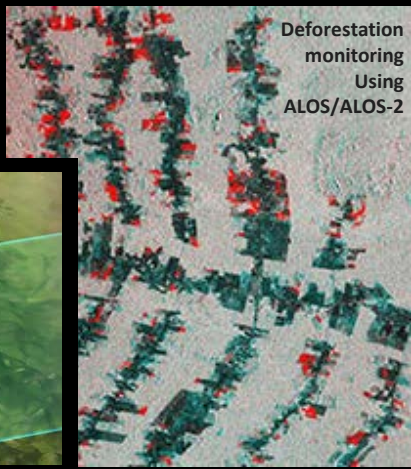
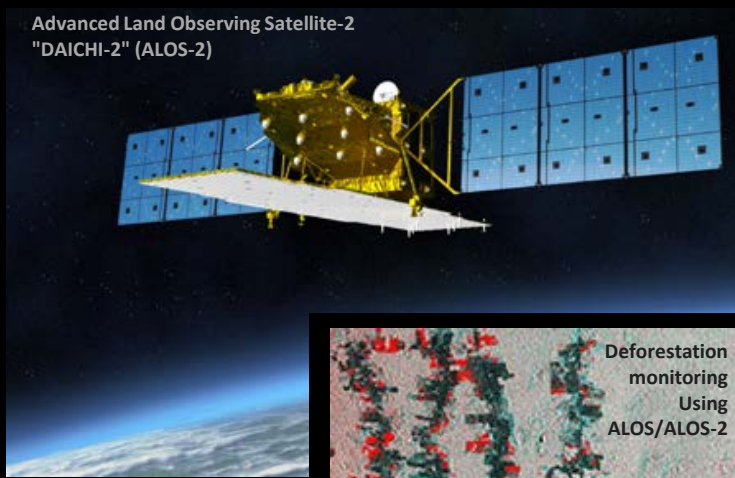
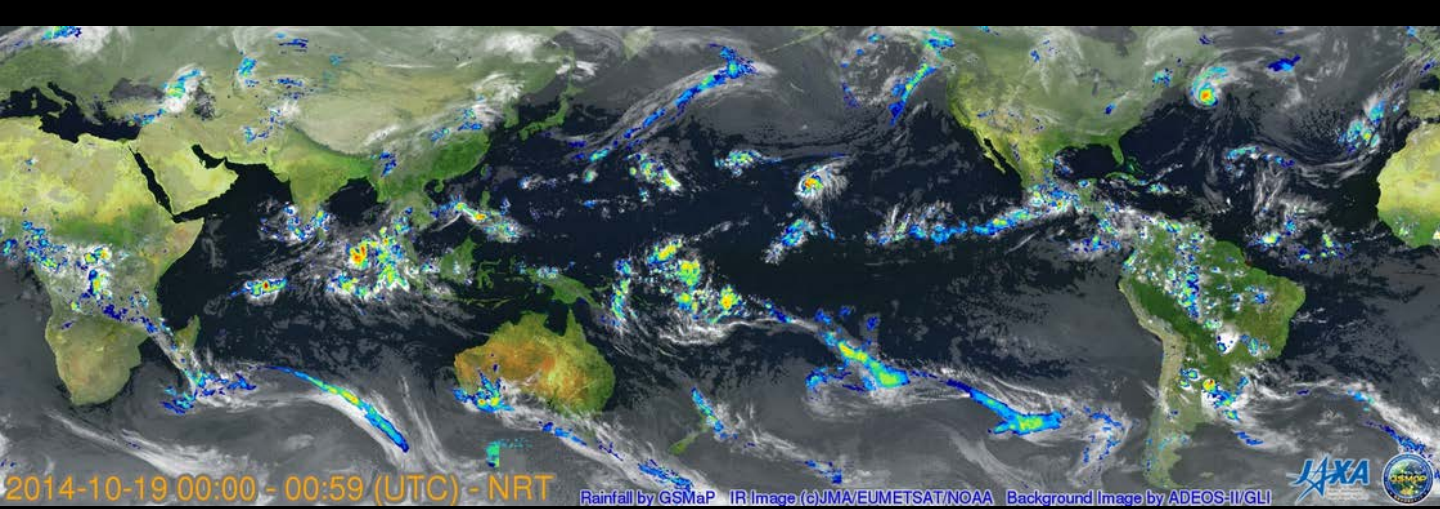
Suntac Technologies Co., Ltd. was established in 1999 and wholly owned by Myanmar nationals. It is a leading technology company in Myanmar and is a part of the Suntac Group of companies. It is an ISO 9001:2008 company.

Our Main Objectives:

- to introduce and apply advanced technologies and to provide quality engineering services.
- to establish a complete geomatic and IT Solutions provider in Myanmar and at the international level.
- to provide international standard engineering services that will enhance both State and private sector development
- to establish a leading technology center for the Remote Sensing, GIS, Geodetic Engineering and Survey Engineering fields.
- to provide technical consultancy services at both local and international levels.

It has been formed by six Special Business Units (SBUs) which are:

- ***Suntac Geomatics Services***
 - Digital Aerial Photography Acquisition
 - Topographic Surveying and Mapping
 - Geodetic Surveying
 - Hydrographic Surveying / Construction Surveying/ Seismic Surveying
 - Remote Sensing and GIS
 - Consultancy
- ***Suntac Geo-engineering Services***
 - Geotechnical investigations and laboratory tests
 - Geotechnical instrumentations and monitoring
 - Consultancy Services for foundations, earth structures, tunnels etc.
 - Geophysical Survey
 - Exploration Core Drilling
 - Pile Integrity tests etc..
- ***Suntac Info-comm Solutions***
- ***Suntac Engineering and Construction***
- ***Suntac Machinery and Equipment***
- ***Sales and Marketing.***



Airbus Defence & Space – Geo-Intelligence Programme Line – Profile

Smarter Decision-Making through a Unique Portfolio of Premium Satellite Imagery, Products and Services

The Geo-Intelligence programme line of Airbus Defence and Space is a recognized world leader in geo-information, successfully pooling an unmatched access to Earth observation satellite imagery with a unique expertise and decades of experience.

The extensive portfolio spans the entire geo-information value chain, providing decision-makers with sustainable solutions to increase security, protect the environment and better manage natural resources in our changing World.

The programme line “Geo-Intelligence” is part of the “Communication, Intelligence & Security” business line of Airbus Defence and Space, a division of the Airbus Group.

A Comprehensive Portfolio

Based on a privileged access to Pléiades, SPOT, TerraSAR-X and TanDEM-X (radar and optical satellites), we provide decision makers with sustainable solutions to increase security, optimize mission planning and operations, boost performance, improve management of natural resources and, last but not least, protect our environment.

From data acquisition and processing to data management and hosting, we provide sophisticated geo-information services and turnkey integrated solutions that deliver exactly what you need, when and where you need it – across a comprehensive range of markets, addressing Defence & Security, Commercial Enterprises and Civil Institution alike.

A Global Expertise

Today, the Airbus Defence and Space Geo-Intelligence programme line is present around the Globe, with subsidiaries and offices in eleven countries on five continents. Further, more than 140 authorized resellers are accredited worldwide, and selected partners operate their own direct receiving stations around the Globe. This way, the companies ensure a premium customer service through local availability and expertise.

Decades of Experience

The Geo-Intelligence programme line of Airbus Defence and Space pools the experience and expertise of leading satellite imagery and geo-information providers.

Since the foundation of Spot Image in 1982 and the company’s first satellite (SPOT 1, launched in 1986) the company’s geo-intelligence experts around the World have been collecting imagery, building comprehensive services based on Earth observation data, and improving their products and services continuously.

Putting Customer Benefit First

Our customers benefit from the experience and exclusive assets of a pioneer in Earth observation and geo-information services, and the rigour of an organisation working for hundreds of satisfied customers in both the private and public sectors.

- A comprehensive offer, customised to your needs: from imagery to advanced geo-intelligence services and turnkey solutions, from off-the-shelf to customised applications and services.
- Experienced: over 30 years of experience in commercial Earth observation and geospatial data analysis, providing geo-intelligence.
- Exclusive assets: operator of the Pléiades and SPOT satellites, with exclusive commercial exploitation rights for the high-resolution radar satellites TerraSAR-X and TanDEM-X.
- Worldwide reach: with +900 employees in 11 countries, complemented by an extensive network of distributors and partners ensuring a local presence around the globe.
- Leading-edge: a pioneer in Earth observation and geo-information services, committed to investment and innovation with a strong R&D team and a leading role in several Copernicus projects.
- Committed to quality: ISO 9001 and ISO 14001 certified.

www.geo-airbusds.com



Applications | Innovation | Value

Surrey Satellite Technology Limited have been delivering small satellite missions for over 30 years – longer than anyone else in the world, giving us the experience to justify our reputation as the world's premier provider of operational and commercial satellite programmes.

What we do:

- Provide complete in-house design, manufacture, launch and operation of small satellites
- Deliver complete mission solutions for remote sensing, science, navigation and telecommunications
- Deliver space training and development programmes including on-the-job customer training
- Design and build remote sensing and communications payloads
- Supply avionics suites and subsystems
- Build and install ground infrastructure
- Provide consultancy services

Surrey Satellite Technology Limited
Tycho House, 20 Stephenson Road, Guildford, Surrey, GU2 7YE
Email: info@sstl.co.uk

www.sstl.co.uk



Cutting-Edge Geospatial Technology at Your Service

Asia Air Survey was officially established in 1954 as the first fully equipped private aerial survey company in Japan and contributed to the reconstruction of Japan. Since 1965 AAS started to operate worldwide with a total capital of over 100 million Yen. Since October 2013 AAS Myanmar was established as part of the Asia Air Survey Group to consolidate AAS presence in Asia.

Presently the company owns and operates a fleet of 7 aircraft with a state-of-the-art equipment, supported by 40 branches in a nation-wide network and by the recent addition of AAS Myanmar.

MAPPING

Since 1949, Asia Air Survey has demonstrated extensive skills and optimized techniques in aerial surveying using a wide range of high definition analogue and digital sensors. AAS offers superior professional services to governmental and non-governmental agencies, the private sector and business partners in engineering, forestry, natural resources and construction design from local to global scales. The mapping services include reliable and efficient technologies such as LiDAR Terrain Mapping, Optical and Radar Remote Sensing, Digital Photogrammetry. Over the years, AAS has refined its topographic mapping techniques given its continuous development of innovative and cost-effective digital photogrammetry technology such as Azuka.



Aerial snapshot of Goryokaku, Northern Japan displayed in true colour (left image) and false colour (right image)

ENVIRONMENTAL SERVICES



Forest survey

Environmental problems such as global warming and pollution (air and water) are increasing in complexity, threatening our living environment and biodiversity. AAS's involvement in environmental services includes comprehensive designs, which supports the customer from robust project design to implementation. AAS develops novel measuring and monitoring tools for REDD/REDD+ (Reducing Emissions from Deforestation and forest Degradation) implementation framework, Environmental Assessment and Planning, Low Carbon Urban System and Renewable Energy. The company's technical expertise provides innovative approaches for environmental services customized to meet the needs of different clients.

DISASTER PREVENTION

The 2011 Tsunami and Earthquake in Japan still remain fresh in our minds. In such unexpected difficult circumstances, AAS uses cutting-edge geospatial technologies suitable for rescue planning as well as for assisting the reconstruction of the disaster-hit areas. Geospatial technologies as well as other technologies are used in mapping the hazard areas caused by natural disasters.

Disaster mitigation is considered a top priority in Japan since the country is frequently exposed to earthquakes and tsunamis. Asia Air Survey provides timely and detailed information on emergency evacuation routes, evacuation areas and emergency centres.



The impact of the 2011 tsunami in the Tohoku area



Seeing a better world

DigitalGlobe's constellation of imaging satellites continues to lead the industry with the highest resolution, accuracy, and revisit rate available commercially.

Better Maps

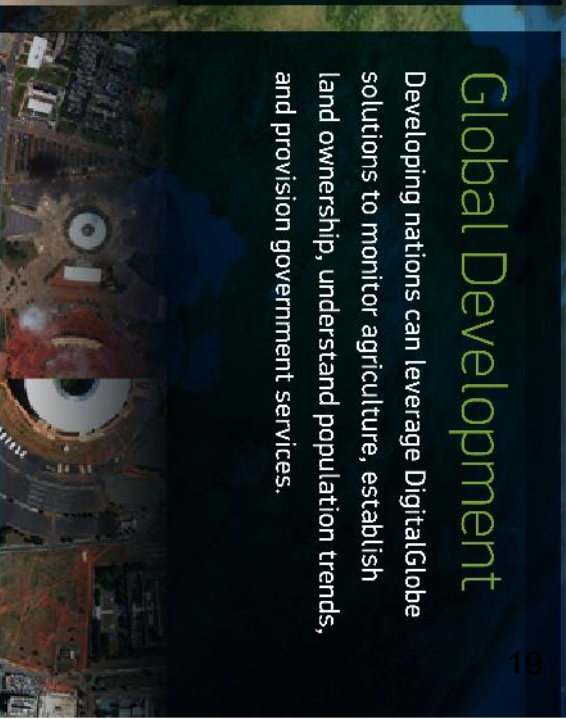
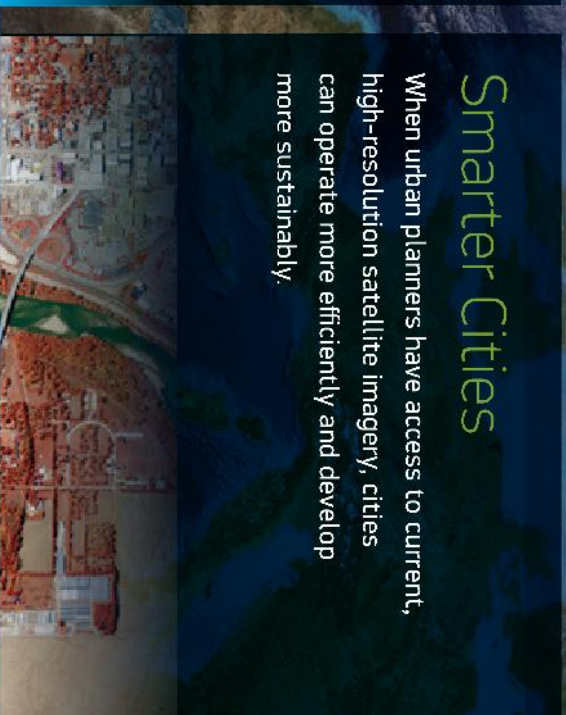
DigitalGlobe satellite imagery powers the most popular mapping portals, which can now be updated more frequently and show finer details than ever before.

Smarter Cities

When urban planners have access to current, high-resolution satellite imagery, cities can operate more efficiently and develop more sustainably.

Global Development

Developing nations can leverage DigitalGlobe solutions to monitor agriculture, establish land ownership, understand population trends, and provision government services.



Visit DigitalGlobe booth #26 & 29 at ACRS 2014 Conference for more information

digitalglobe.com

12th ISPRS Student Consortium and WG VI/5 Summer School
"Geospatial Technologies for Environmental Management and
Monitoring"

1-5 November 2014, University for Forestry, Yezin, Nay Pyi Taw,
Myanmar

(to be held directly after the 35th Asian Conference on Remote
Sensing)

Venue: University of Forestry, Yezin, Nay pyi Taw

Accommodation: Forestry Research Institute Guest House

Dear All,

This is to inform you that following the tradition of the last Asian Conferences on Remote Sensing (ACRS) since 2010, an international Student Summer School will be organised after the ACRS 2014, which will take place at Myanmar, Nay Pyi Taw, on November 1-5. This is the 12th ISPRS Student Consortium and WG VI/5 Summer School, co-organised by the ACRS 2014 and also Asian Association on Remote Sensing (AARS).

The Summer School will include several topics on "Geospatial Technologies for Environmental Management and Monitoring" with several generally acknowledged lecturers.

The number of participants is restricted to 40. Interested persons should send their registration form by the following deadline:

- non-Myanmar participants by August 15th
- Myanmar participants by September 5th

PLEASE send registration forms to:

ksoo@myanmarpeace.org AND
kyawzaya.htun@gmail.com AND
tinaungmoel@gmail.com AND
sumonforest@gmail.com

The registration fees are only 80 USD and include accommodation in shared room, meals, participation in the summer school, learning material (lectures and labs), and social events.

Hope to see you there!

Best regards,

The ACRS 2014 Secretariat

Important links:

<http://www.acrs2014.com/>

<http://www.isprs.org/>

<http://www.a-a-r-s.org/>

<http://www.isprs-sc.org/>

Organisers:

- * ISPRS Student Consortium
- * ISPRS WG VI/5 Promotion of the Profession to Young People
- * Asian Association on Remote Sensing
- * GIS Section, Forest Department, MOCAF
- * Myanmar Peace Center

Local Organisers:

- * Dr. Myat Su Mon
- * Dr. Kyaw Zayar Htun
- * Mr. Tin Aung Moe
- * Dr. Kyaw Sann Oo
- * ISPRS

Sponsors:

- * Asian Association on Remote Sensing
- * GIS section, Forestry Department, MOCAF
- * Myanmar Peace Center
- * Leica Geosystems

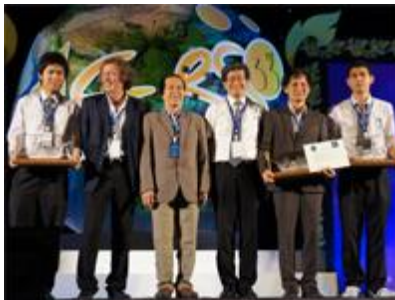
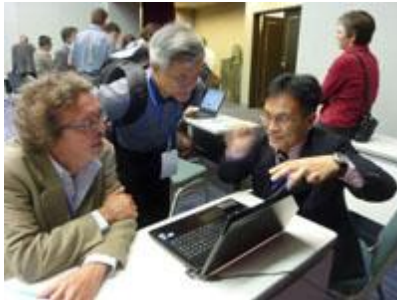


What is WEBCON ?

Recent net-based services realized the public easy access to satellite/aerial images and other geographic information of any place around the world at any time. Now our interest is “what comes next?”

In order to promote students and young scientists activities, AARS (Asian Association on Remote Sensing) has organized a web contest WEBCON1 at ACRS2011 in Taipei. Following the success of WEBCON1, WEBCON2 was organized at ACRS2012 in Pattaya, Thailand and WEBCON3 was organized at ACRS2013 in Bali, Indonesia. This year, WEBCON4 is planned to be organized at ACRS2014 in Nay Pyi Taw, Myanmar. The main objective of the contest is to promote the development of web materials which may give us a future vision of the web related to geo-information sciences. Any students and young scientists who are younger than 35 and have registered to the Asian Conference on Remote Sensing (ACRS) can nominate their web materials to WEBCON.

- [WEBCON1 \(Oct. 5, 2011, Taipei at the 32nd ACRS\)](#)
- [WEBCON2 \(Nov. 27, 2012, Pattaya at the 33rd ACRS\)](#)
- [WEBCON3 \(October 22, 2013 Bali at the 34th ACRS\)](#)



WEBCON4 at ACRS2014 in Nay Pyi Taw

Contest Rules

- Students and young scientists who are less than 35 and have registered to ACRS can submit their proposals and preliminary works to the Contest. The Contest is open to individuals or teams composed up to 3 people.
- After the initial evaluation of submitted proposals, applicants will be invited to the contest for competition. The contestants are required to bring their PCs or notebooks to demonstrate their web materials, but wireless internet connection will be provided by the organizers

Judging

- Winners will be selected by a panel of members from AARS Council, ACRS Organizing Committee. The judges will evaluate the works according to the

following criteria:

- General utility and importance of output.
- Scalability and elegance of design.
- Clarity, efficiency and portability of implementation.
- Originality
- **Prizes** Gold, Silver, and Bronze Awards with certificates of commendation will be awarded to the winners.

Important Dates

- **Deadline for registration and submitting proposals and works through ACRS is September 30 , 2014.**

Your proposal should include the name, affiliation, country, date of birth and E-mail address of every team member and the following items:

1. Title of the web material.
2. Design concept and purpose.
3. Outline of the web material: brief description of system requirement, framework, scheme or functions.
4. URL: The typical part of the web material should be accessible for evaluation. (If not, you may provide a set of files which can be viewed by the web browsers.)
5. Other helpful information.

All documentations should be in Microsoft WORD or Acrobat PDF format.
Please send your application form to acrs2014@gmail.com

To participate in WEBCON4, you have to register in the ACRS2014 and make full payment. After that you are eligible to participate in WEBCON4.

Question through acrs2014@gmail.com

Contact : TBD



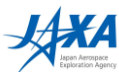
SENSING FOR REINTEGRATION OF SOCIETIES

October 27-31, 2014
 Myanmar International Convention Center II
 Nay Pyi Taw, Myanmar



SESSIONS

| | | | |
|-----------------|----------------------------------|----------------------------------|--------------------------------------------|
| JAXA SS 1 | <u>Session A</u> | <u>Session E</u> | <u>Session PS-1</u> |
| JAXA SS 2 | <u>Session B</u> | <u>Session F</u> | <u>Session PS-2</u> |
| White Elephant | <u>Session C</u> | <u>Session G</u> | <u>Session PS-3</u> |
| Student Session | <u>Session D</u> | <u>Session H</u> | <u>WEBCON 4 (I&II)</u> |



JAXA SS 1

09:00 ~ 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)

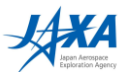
Space utilization session #2 for ALOS-1 and QZSS (EO+GNSS)

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](#)



24



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

| Speaker | Country/region | Title of Paper |
|---------------------------------------------------------------|----------------|------------------------------------------------------------------------------------------------------------------------|
| TBD | | Welcome Remarks (5 min.) |
| Hengqian Zhao | China | Presentation of the Asian Association on Remote Sensing Student Group (ASG) (6 min.) |
| Sheryl Rose Reyes | Philippines | Presentation of the International Society for Photogrammetry and Remote Sensing Student Consortium (ISPRS-SC) (6 min.) |
| Sheryl Rose Reyes | Philippines | Introduction of the ASG Board Members and National Coordinators (4 min.) |
| Kyaw Zayar Htun | Myanmar | Mandalay Technological University (8 min.) |
| Daniel dela Torre | Philippines | University of the Philippines (8 min.) |
| Alejandra Michelle Tercero Villagran, Sanjiv Dolgorsuren | China Taipei | National Central University (8 min.) |
| Ting Ting Shi | China | Chinese Academy of Sciences (8 min.) |
| Richard Huang | Hong Kong | Hong Kong Baptist University (8 min.) |
| Jakrapong Tawala | Thailand | Geo-Informatics and Space Technology Development Agency (8 min.) |
| Wilson Wong | Malaysia | University Malaysia Sabah (8 min.) |
| Shu Chi Chen | China Taipei | National Cheng Kung University (8 min.) |
| Red Castilla, Floyd Plando | Philippines | De La Salle University (8 min.) |
| Chung Ping Chin, Cheng Yen Chun, Hsin Ping Wang, Chia Hui Hsu | China Taipei | Feng Chia University (8 min.) |
| Tatsuya Yamamoto | Japan | Shibaura Institute of Technology (8 min.) |
| Tze Huey Tam | Malaysia | Universiti Teknologi Malaysia (8 min.) |

[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

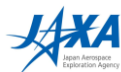
09:00 ~ 10:40 (28th Oct, 2014)

AGRICULTURE & CROP

Chair: Dr. Wataru Takeuchi

| 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](#)



26



The 35th ASIAN CONFERENCE ON
REMOTE SENSING 2014

Session A3

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

CLIMATE

Chair: Dr. Hrin Nei Thiam

| 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)

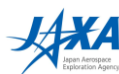
FORESTRY

Chair: Dr. Nyi Nyi Kyaw and Dr. San Win

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](#)



27



Session B1

10:50 ~ 12:30 (28th Oct, 2014)

DATA PROCESSING
Chair: Dr. Soe Win Myint

| 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](#)



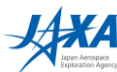
Session B2

10:50 ~ 12:30 (28th Oct, 2014)

AGRICULTURE & CROP
Chair: Dr. Dr. Bob Ryerson

| 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 Soontraron | 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](#)



28



Session B3

10:50 ~ 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 Upgupta 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)

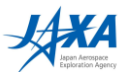
FORESTRY

Chair: Dr. Nyi Nyi Kyaw and Dr. San Win

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](#)



29



Session C1
15:20 ~ 17:00 (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. 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

The 35th ASIAN CONFERENCE ON
REMOTE SENSING 2014

| 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](#)



30



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 | 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 C5
15:20 ~ 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](#)



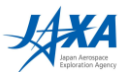
Session D1
09:00 ~ 10:40 (29th Oct, 2014)

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](#)



32



Session D2

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

DATA PROCESSING

Chair: Dr. Emmanuel Baltasvias

| 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

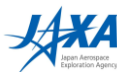
09:00 ~ 10:40 (29th Oct, 2014)

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](#)



33



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

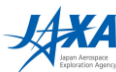
09:00 ~ 10:40 (29th Oct, 2014)

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: Mr. 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

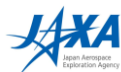
10:50 ~ 12:30 (29th Oct, 2014)

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 | OS-088 | Investigating the accuracy of Aerial Triangulation on the Baeksajang beach, west coast of Korea |
| Dr. Baeck Oon Kim | Korea | 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](#)



35



Session E2

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

InSAR-Processing
Chair: Dr. Peter Shih

The 35th ASIAN CONFERENCE ON
REMOTE SENSING 2014

| 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: Dr. Daw Yin Yin Nwe and Dr. Kohei Cho

The 35th ASIAN CONFERENCE ON
REMOTE SENSING 2014

| 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](#)



36



Session E4
10:50 ~ 12:30 (29th Oct, 2014)

DATA PROCESSING
Chair: Mr. Tin Aung Moe

The 35th ASIAN CONFERENCE ON
REMOTE SENSING 2014

| 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 Spectroradiometric Measurements and High-resolution Superspectral Imagery |

[MENU](#)



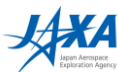
Session E5
10:50 ~ 12:30 (29th Oct, 2014)

GEOLOGY
Chair: Dr. Kyaw Sann Oo

The 35th ASIAN CONFERENCE ON
REMOTE SENSING 2014

| 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](#)



37



Session E6

10:50 ~ 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

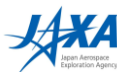
09:00 ~ 10:40 (30th Oct, 2014)

COASTAL ZONE
Chair: Dr. Win Tint and Dr. Hnin Khaing Aye

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](#)



38



Session F2
09:00 ~ 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](#)



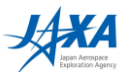
Session F3
09:00 ~ 10:40 (30th Oct, 2014)

CLIMATE/DISASTER
Chair: Dr. Kohei Cho and Dr. Aye Aye Khine

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: Dr. Daw Yin Yin Nwe and Dr. 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](#)



40



Session F6

WATER RESOURCES

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

Chair: Dr. kyaw Zayar Htun and Dr. Basanta Shrestha

| Name | Country/region | Paper ID | Title of Paper |
|--------------------------------------|----------------|----------|---------------------------------------------------------------------------------------------------------------------------------------------|
| Dr. Pham Viet Hong | Vietnam | 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](#)



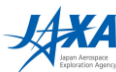
Session G1

HYPERSPCTRALSENSING
CLASSIFICATION & APPLICATION
Chair: Dr. Peter Shih and Dr. Fuan Tsai

10:50 ~ 12:30 (30th Oct, 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 HYPERSPETRAL 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 G2

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

URBAN

Chair: Dr. Nguyen Dinh Duong

| 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 | 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

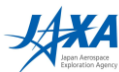
10:50 ~ 12:30 (30th Oct, 2014)

INNOVATIVE UAV APPLICATIONS

Chair: Dr. Armin Gruen

| 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 G4

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

WebGIS

Chair: Dr. Lal Samarakoon

| 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: Dr. Mitsunori Yoshimura

| 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](#)



43



Session G6

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

NATURAL RESOURCE MANAGEMENT
Chair: Dr. Moe Myint and Dr. Basanta Shrestha

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

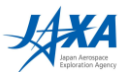
09:00 ~ 10:40 (31st Oct, 2014)

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 H2

NEW GENERATION SENSORS & APPLICATIONS

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

Chair: Mr. Kyaw Tin

| 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

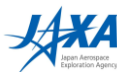
NEW GENERATION SENSORS & APPLICATIONS

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

Chair: Dr. Kyi Twin

| 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](#)



45



Session H4

NEW GENERATION SENSORS & APPLICATIONS

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

Chair: Dr. Gu Xinfu

| 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

CAPACITY BUILDING & SATELLITE PROGRAM

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

Chair: Dr. Kohei Cho

| 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](#)



46



The 35th ASIAN CONFERENCE ON
REMOTE SENSING 2014

Session H6

DISASTER & CLIMATE

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

Chair: Dr. Kyaw Zayar Htun 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 | 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](#)



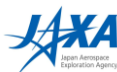
Session PS-1

The 35th ASIAN CONFERENCE ON
REMOTE SENSING 2014

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

| Name | Country/
region | Paper ID | Title of Paper |
|----------------------|--------------------|----------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Ms. Ahram Song | Korea | OS-062 | COMPARISON STUDY ON SOLAR IRRADIANCE SPECTRA FOR COMS MI APPLICATION OF HELIOSAT |
| Mr. Wonseok Choi | Korea | 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](#)



47



The 35th ASIAN CONFERENCE ON
REMOTE SENSING 2014

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](#)



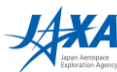
The 35th ASIAN CONFERENCE ON
REMOTE SENSING 2014

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](#)



48



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 | 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](#)



The 35th ASIAN CONFERENCE ON
REMOTE SENSING 2014

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 | PS-024 | A STUDY OF NORMALIZING TOA RADIANCE METHOD FOR EARTH OBSERVATION SATELLITES WITH SIMILAR SPECTRAL BANDWIDTH |

[MENU](#)



The 35th ASIAN CONFERENCE ON
REMOTE SENSING 2014

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](#)



50



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 | 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 | PS-047 | A Geospatial Patterns Analysis of Traffic Accidents in Jinju, Korea |
| Mr. Gyuhan Bae | Korea | 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 | 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 Aero-triangulation |
| Dr. Chih-Li Chang | China Taipei | OS-057 | A PRELIMINARY STUDY OF A NEW X-BAND SAR SATELLITE MISSION FOR TAIWAN |

[MENU](#)



The 35th ASIAN CONFERENCE ON
REMOTE SENSING 2014

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](#)



The 35th ASIAN CONFERENCE ON
REMOTE SENSING 2014

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](#)



52



The 35th ASIAN CONFERENCE ON
REMOTE SENSING 2014

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 | 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](#)



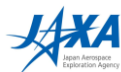
Session PS-3

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

The 35th ASIAN CONFERENCE ON
REMOTE SENSING 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 | OS-007 | Smart Camera calibration for Photogrammetry application |
| Ms. Jisun Choi | Korea | OS-095 | SPATIAL ANALYSIS OF THE TAEAN SHORELINE CHANGE |
| Mr. Hoyong Ahn | Korea | OS-273 | Study of Surface Temperature with Land cover Change using Landsat |

[MENU](#)



53



The 35th ASIAN CONFERENCE ON
REMOTE SENSING 2014

Session PS-3

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

| Name | Country/Region | Paper ID | Title of Paper |
|----------------------|----------------|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ms. Khin Mar Yee | Korea | OS-274 | LAND USE AND LAND COVER CLASSIFICATION MAPPING BASED ON BAND RATIOING WITH SUBPIXEL OF SUPPORT VECTOR MACHINE TECHNIQUES (A CASE STUDY ON NGAMOYEIK DAM AREA, YANGON REGION) |
| Qiming Qin | China | New0007 | Building structural corner detection using high resolution oblique airborne images |
| Ling Wu | China | New0008 | Spatial Scaling transformation Modeling of Vegetation Leaf area index retrieved by remote sensing image based on fractral |
| Mr. Yasutomo Tokutsu | Japan | OS-101 | THIN ICE AREA EXTRACTION ALGORITHM USING AMSR2 DATA FOR THE SEA OF OKHOTSK |
| Mr. Yue Chunyu | China | OS-291 | A New Integrated Sensor-Collected Intelligence Architecture Based on Satellite |

[MENU](#)



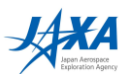
The 35th ASIAN CONFERENCE ON
REMOTE SENSING 2014

WEBCON4 (1&II)

09:00 ~ 10:40 & 10:50~12:30 (28th Oct, 2014)

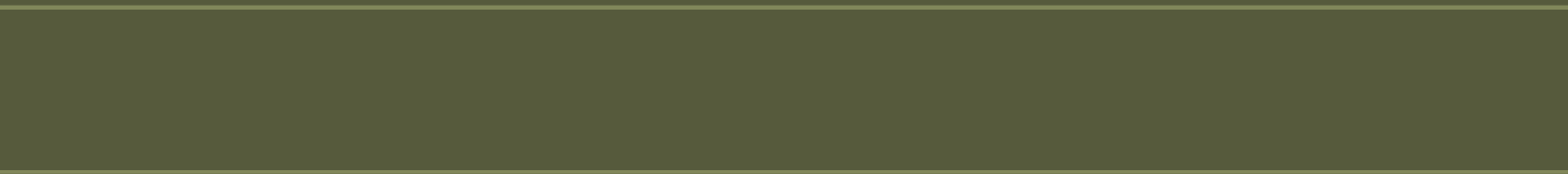
| Name | Country/Region | Group | Title of Paper |
|--------------------------------------------------------------------|----------------|-----------|------------------------------------------------------------------------------------------------------------------------------------------|
| Hsien-Ming, Wu; Kai-Zhi, Zhan; Sz-Cheng, Yu | China Taipei | GROUP-I | Ubiquitous Crowdsourcing for Emergency Response |
| Yi-Chen Chen, Jyun-Yuan Chen | China Taipei | GROUP-II | Building Model Retrieval System for Automatic City Modeling |
| Ting-Chun Lin, Tzy-Shyuan Wu | China Taipei | GROUP-III | Web-based Virtual Tour Guide Using Panoramas of Cultural Heritage Site at Kinmen (http://140.115.110.233/webcon/index) |
| Mohd Nadzri Md Reba, Mazlan Hashim, Amirul, Farid dan Izuan Nadzri | Malaysia | GROUP-IV | MyWATER - Decision support system (DSS) for water yield estimation in Peninsular Malaysia |
| Naoki Katayama | Japan | GROUP-V | 3D visualization of livability and population using WebGL |
| Konosuke Kataoka (19.Nov.1990), Tatsuya Yamamoto (9.July.1991) | Japan | GROUP-VI | Future infrastructure inspection using Geotagged photo |

[MENU](#)



54





35th ACRS Sensing for Reintegration of Societies