Contents

The 33rd Asian Conference on Remote Sensing

FINAL PROGRAM

ACRS 33rd

AIMING SMART SPACE SENSING

November 26-30, 2012
Ambassador City Jomtien Hotel, Pattaya, Thailand

Hosted by

Asian Association on Remote Sensing (AARS)
Geo-Informatics and Space Technology Development Agency (GISTDA)
Ministry of Science and Technology (MOST)
Burapha University

Kasetsart University Si Racha Campus
Pattaya City
Chon Buri Province

Delivering values from space

www.gistda.or.th

The Grand Opening Ceremony:
space krenovation park (SKP)

3:00 p.m. – 5:00 p.m. November 28, 2012

Visionarium
Thaichote Ground Control Station

Geo-informatics and Space Technology
Development Agency (Public Organization)
88 Moo 9, Si Racha, Chon Buri 20110

VISIONARIUM

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Royal Thai Survey Department
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Directorate of Joint Intelligence
Electricity Generating Authority of Thailand
Aeronautical Radio of Thailand Co., Ltd
Thailand Convention & Exhibition Bureau
Regional Center of Geo-Informatics and Space Technology, Lower Northern Region. (CGISTNU)
Eastern Region Center for Space Technology and Geo-Informatics (ESG)
Regional Center for Geo-Informatics and Space Technology, Northeast Thailand (NE.GIS)
Geo-Informatics and Space Technology Centre Northern Region (GISTNorth)
Regional Center of Geo-Informatics and Space Technology, Southern Region (SOUTHGIST)

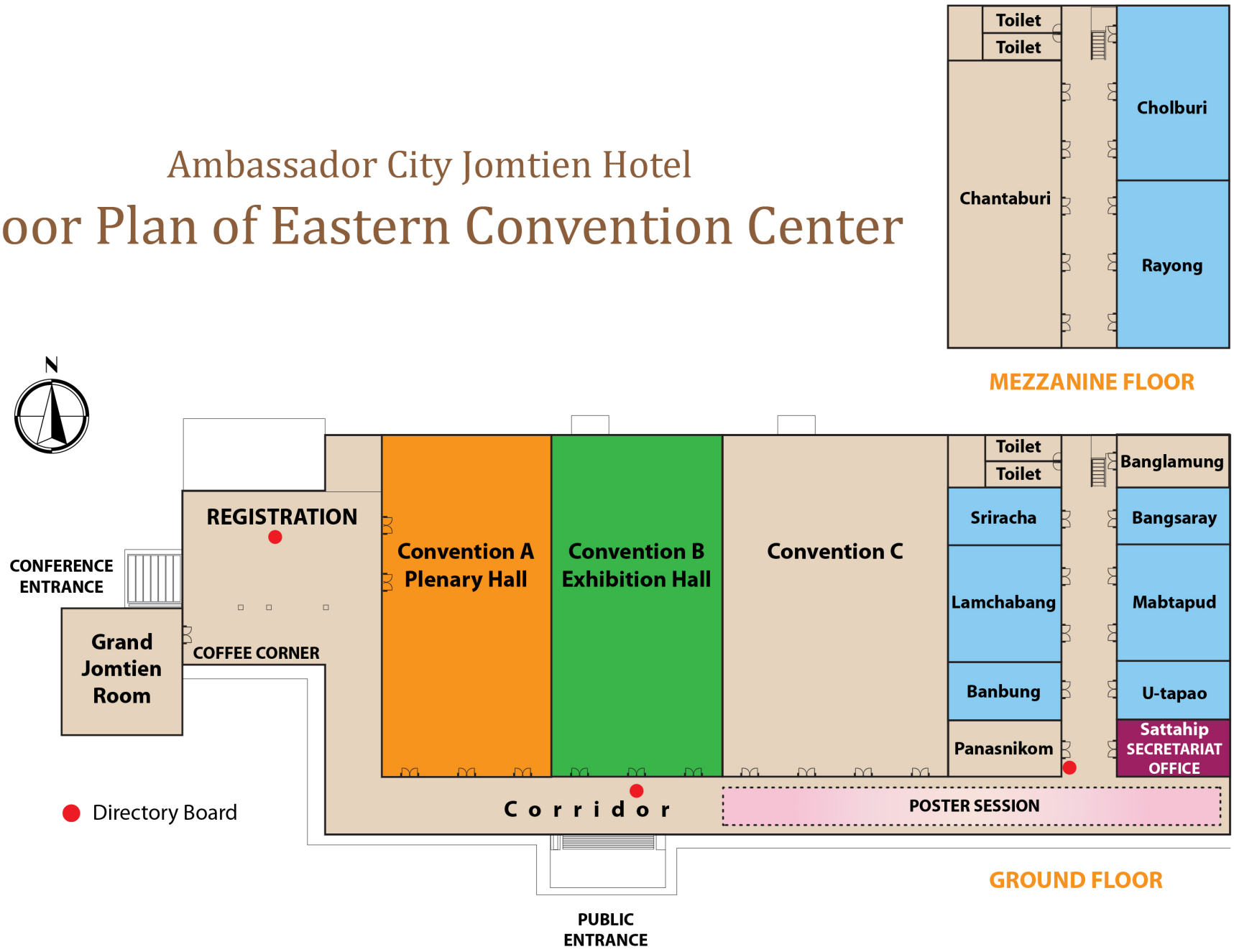
Venue and Surroundings

Ambassador City Jomtien Hotel

Geographic Map

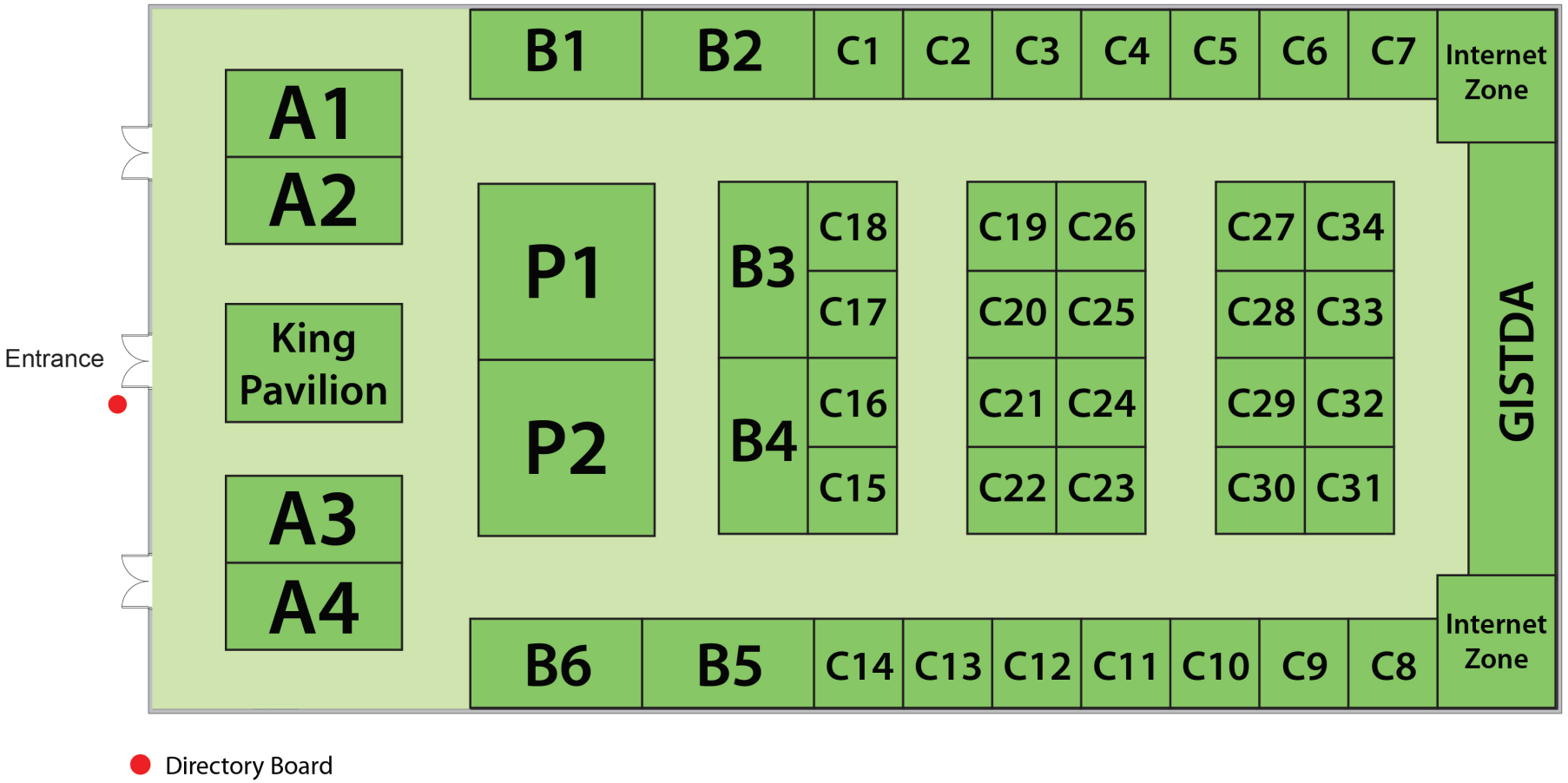
Ambassador City Jomtien Hotel

Floor Plan of Eastern Convention Center



Eastern Convention Center

Convention B (Exhibition Hall)



Exhibitors by Booth Number

Booth No.	Exhibitors
P1	Athi Telecom Co., Ltd. e-Geos Telespazio Thales Alenia Space
P2	Korea Water Resource Management
A1	Remote Sensing Technology Center of Japan
A2	Astrium GEO-Information Services and Astrium Satellites
A3	DigitalGlobe International Inc.
A4	Japan Aerospace Exploration Agency
B1	ESRI (Thailand) Co.,Ltd.
B2	CODAR Ocean Sensors ,Ltd.
B3	GeoEye Inc.
B4	Surrey Satellite Technology Ltd. DMC International Imaging Ltd.
B5	PASCO Corporation
B6	MDA CAE
C1	The University of Tokyo
C2	King Mongkut's University of Technology Thonburi
C3	Office of Agricultural Economics
C4	DES Consulting Pte Ltd.
C5	Regional Center of Geo-Informatics and Space Technology, Lower Northern Region. (CGISTNU) Eastern Region Center for Space Technology and Geo-Informatics (ESG)
C6	Regional Center for Geo-Informatics and Space Technology, Northeast Thailand (NE.GIS) Remote Sensing and GIS Association of Thailand
C7	Geo-Informatics and Space Technology Centre Northern Region (GISTNorth) Regional Center of Geo-Informatics and Space Technology, Southern Region (SOUTHGIST)
C8	Cartography Association of Thailand
C9	Department of Mineral Fuels
C10	Thai ITS Association
C11	Provincial Electricity Authority
C12	Industrial Estate Authority of Thailand
C13	RapidEye
C14	Kongsberg Spacetec AS
C15	Geospatial Media and Communications Pvt. Ltd.
C16	Precise Steel and Construction Co.,Ltd.
C17	National Electronics and Computer Technology Center(NECTEC)
C18	CTAsia Robotics Co.,Ltd.
C19	Topcon Instrument (Thailand) Co.,Ltd.
C20	
C21	
C22	PCI Geomatics
C23	Department of Marine and Coastal Resources
C24	Royal Irrigation Department
C25	Royal Thai Survey Department
C26	Hydro and Agro Informatics Institute
C27	National Housing Authority
C28	Department of National Parks Wildlife and Plant Conservation
C29	Office of The Narcotics Control Board
C30	Hollywood International Ltd.
C31	Chinese National Committee for Remote Sensing
C32	
C33	
C34	

Conference Program

Date	Time	Program								
November 25 Sunday	15:00-20:00	**Pre-Registration / In front of Convention A**								
November 26 Monday	8:00-9:00	**Registration / In front of Convention A**								
	9:00-9:50	**Opening Ceremony / Convention A**								
	9:50-9:55	**Address by JAXA / Convention A**								
	9:55-10:00	**Address by KARI / Convention A**								
	10:00-10:05	**Address by GRSS / Convention A**								
	10:05-10:30	*Break & Exhibition*								
	10:30-11:15	Keynote Speech I : SMART Solutions for Disaster Management / Convention A Prof. Dr. Shunji Murai / Chairman Advisory Committee of AARS								
	11:15-12:00	Keynote Speech II : Value Creation from Space Technology : The Case of Thailand / Convention A Assoc. Prof. Dr. Somchet Thinaphong / Chairman of GISTDA Executive Board								
	12:00-13:30	*Lunch / Grand Jomtien Room*								
	13:30-14:00	Keynote Speech III : Global Land Cover Mapping at 30 meters resolution Prof.Dr. Chen Jun / ISPRS General Secretary								
	14:00-14:20	Keynote Speech IV : Space Activities in Kazakhstan / Convention A Prof. Talgat A. MUSABAYEV / Chairman of KAZCOSMOS								
	14:20-15:40	New Technology - I / Convention A Geo-informatics Innovation								
	15:40-16:00	*Break & Exhibition*								
	16:00-17:00	New Technology - II / Convention A Geo-informatics Innovation								
	18:00	**Banquet & Culture Night / Diamond Room 3rd Floor**								
		Convention A	**Banbung**	**Rayong**	**Sriracha**	**U-tapao**	**Cholburi**	**Bangsaray**	**Lamchabang**	**Mabtapud**
November 27 Tuesday	8:30-10:30	WEBCON2-1 Web Contest	Session A-1 Forest	Session A-2 Algorithm	Session A-3 Disaster	Session A-4 Map	Session A-5 Algorithm	Session A-6 Environment	Session A-7 Natural Resources	Session A-8 GIS
	10:30-10:50	*Break & Exhibition*								
	10:50-12:10	WEBCON2-2 Web Contest	Session B-1 Photogrammetry	Session B-2 Algorithm	Session B-3 Disaster	Session B-4 Map	Session B-5 Algorithm	Session B-6 Health Science	Session B-7 Natural Resources	Session B-8 GIS
	12:10-13:30	*Lunch / Grand Jomtien Room*								
	13:30-15:00	Student Session-1 White Elephant	SAFE	**Poster Session-1 / Corridor**						
	15:00-15:20	*Break & Exhibition*								
	15:20-17:40	Student Session-2	Session C-1 RICE	Session C-2 Algorithm	Session C-3 Sensor&Platform	Session C-4 GIS	Session C-5 Algorithm	Session C-6 Environment	Session C-7 Natural Resources	Session C-8 GIS
	18:00	General Conference of AARS-1	GEO-GRAM Meeting							
November 28 Wednesday	8:30-10:30	Satellite Program Session-I	Session D-1 Sensor&Platform	Session D-2 Algorithm	Session D-3 Disaster	Session D-4 Map	Session D-5 Algorithm	Session D-6 Environment	Session D-7 Natural Resources	Session D-8 GIS
	10:30-10:50	*Break & Exhibition*								
	10:50-12:10	Satellite Program Session-II	Session E-1 Photogrammetry	Session E-2 Algorithm	Session E-3 Others	Session E-4 Map	Session E-5 Algorithm	Session E-6 Environment	Session E-7 Natural Resources	
	12:10-13:30	*Lunch / Grand Jomtien Room*								
	13:30-14:30	Satellite Program Session-III	**Poster Session-2 / Corridor**							
	14:30-17:30	**The grand opening ceremony : space krenovation park (SKP) / Visionarium, Si Racha, Chon Buri Province**								
	18:00	**Banquet & Loy Krathong Festival / Diamond Room 3rd Floor**								
November 29 Thursday	8:30-10:30	Satellite Program Session-IV	Session F-1 Algorithm	Session F-2 Algorithm	Session F-3 Others	Session F-4 GNSS	Session F-5 Algorithm	Session F-6 Environment	Session F-7 Natural Resources	Session F-8 Photogrammetry
	10:30-10:50	*Break & Exhibition*								
	10:50-12:10	Satellite Program Session-V	Session G-1 Photogrammetry	Session G-2 Algorithm	Session G-3 Disaster	Session G-4 Others	Session G-5 Algorithm	Session G-6 Environment		Session G-7 GIS
	12:10-13:30	General Conference of AARS-2	*Lunch / Grand Jomtien Room*							
	13:30-15:00	Cultural Tour	Satellite Program Session-VI	**Poster Session-3 / Corridor**						
	15:00-15:20	*Break & Exhibition*								
	15:20-17:40	Cultural Tour	Satellite Program Session-VII	Session H-1 Natural Resources		Session H-2 Disaster	Session H-3 Map / Others		Session H-4 Health Science	Session H-5 Algorithm	Session H-6 GIS
November 30 Friday	10:00-10:45	Keynote Speech V : ASEAN SDI / Convention A Dr. Chaowalit Silapathong / Director of Geo-informatics Center, GISTDA								
	10:45-11:30	Keynote Speech VI : Aiming SMART Space Sensing / Convention A Prof. Dr. Kohei Cho / General Secretary of AARS								
	11:30-12:00	**Closing Ceremony / Convention A**								
	12:00-13:00	*Lunch / Grand Jomtien Room*								

Welcome Addresses

Convention A
November 26,2012
09:30-09:50

DR. KOHEI CHO

General Secretary, Asian Association on Remote Sensing

Dear International Colleagues,

On behalf of Asian Association on Remote Sensing (AARS), I would like to welcome you all to the 33rd Asian Conference on Remote Sensing (ACRS) to be held from November 26 to 30, 2012 in Pattaya, a beautiful resort of Thailand. The Conference is jointly organized by Geo-Informatics and Space Technology Development Agency (GISTDA), Ministry of Science and Technology (MOST) and AARS. As you may know, last year, Thailand was seriously damaged by the heavy flood. But, Thai people are patient and have been working so hard for the recovery. Now, the 33rd ACRS is well planned and well prepared by the local organizing committee. The attendance of Princess Sirindhorn to the opening ceremony is expected. I have no doubt on the success of the conference.

On this occasion, I would like to remind you about the history and latest progress of ACRS and AARS. The ACRS was established in 1980 by the founders of ACRS namely Prof. Shunji Murai, Prof. Chen Shupeng, Dr. Suvit Vibulsresth, Dr. Manu Omakupt, Mr. Christy Nanayakkara, Prof. A. J. Chen and many other active Asians. The 1st ACRS was organized in November 1980 in Bankok, Thailand. So, this year, we are back to the country where ACRS was born. Since 1980, every year ACRS has been organized in some country in Asia, and, in 2009, we celebrated the 30 years anniversary of ACRS in Beijing, China. Up to now, 24 countries and regions from Asia and 17 countries and organizations from outside Asia are members of AARS. Last year, over 800 participants attend the 32nd ACRS organized in Taipei. The world interest to ACRS and AARS is increasing. Promotion of students and young scientists is one of the most important objectives 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.

ISPRS is an important sister society for AARS. Every year, several ISPRS Council members attend ACRS and discuss about the mutual cooperation with us. Since 2010, under the cooperation with the ISPRS WG VI/5 and Student Consortium, the Student Summer School is organized just after ACRS. Last year, More than 40 students and young scientists from Asia attended the one week summer school. We are planning to organize the Student Summer School again this year just after the 33nd ACRS.

The ACRS has kept a unique style as follows as compared with other International or Western conferences.

1. The ACRS is fully open to any nation and region.
2. Non-discrimination, which means that any participant must pay the registration fee.
3. Self fund participation.
4. Inexpensive registration fee of just 100 US $ including conference, parties, proceedings in CD ROM etc.
5. Home made but not commercialized conference.

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 conference and contribute to improve the quality of the conference by presenting papers, discussing technical issues, exchanging ideas with Asian friends, and singing & dancing together at the welcome party. Looking forward to seeing you in Pattaya at the 33rd ACRS.

Thank you.

MR.WORAVAT AUAPINYAKUL

Minister of Science and Technology

On behalf of the Ministry of Science and Technology of Thailand, it is an honor and a pleasure for me to welcome all of you, both local and foreign delegates, to the 33rd Asian Conference on Remote Sensing (ACRS 2012). It is indeed an honor for us to host this Conference in Chon Buri, Thailand.

I would like to take this opportunity to thank the Steering Committee and Working Groups as well as all their collaborators for the hard work and contributions they have put in for organizing this event. Furthermore, I would like to extend my heartfelt thanks to the keynote speakers who have generously given their time to be here to share their invaluable insights and knowledge in space technology and related fields, which will be useful for us all, particularly for young scientists and students participating in the ACRS2012.

I wish the conference be successful and reach its goals and I wish all participants a pleasant stay and an enjoyable time with Thai culture and hospitality during this Conference.

MR. ITTHIPOL KHUNPLOME

Mayor, Pattaya City

Dear distinguished guests and participants, on behalf of Pattaya City, I would like to extend my warmest welcome everyone to Pattaya, the city of variety. It is a great pleasure to co-host the the 33rd Asian Conference on Remote Sensing (ACRS2012).

Remote sensing plays a crucial role in spatial management and Pattaya City has been utilized this technology, especially high resolution satellite images, for urban sprawl monitoring and natural resource management. Furthermore, we provide visitors with a web-based GIS application for location finding via www.pattaya.go.th.

Participating in a conference organized in Pattaya is an ideal opportunity to experience great beaches, spectacular sceneries and memorable events. All of these amazing experiences have made Pattaya one of the world's best tourist attractions for decades. While in Pattaya, I hope you will also have the time and curiosity to explore the city. You will find that Pattaya is a city with a lot to offer and "definitely more".

PROF. SOMPOL PONGTHAI, MD.

President, Burapha University

On behalf of Burapha University (BUU), I would like to welcome all of you to the 33rd Asian Conference on Remote Sensing (ACRS2012). This Conference will not only provide great opportunity for the participants from research and educational institutes, government agencies, and industrial enterprises to discuss and share ideas and findings about researches and applications, but also creates dynamic networks and collaborations among participants.

The 8th ISPRS Student Consortium and WG VI/5 Summer School (the ACRS2012 concurrent activity), will be held at BUU, and it is our great pleasure to support such valuable activity enhancing capacity of young generation in disaster and coastal management. Located in eastern coastal zone of Thailand, BUU is a perfect place for participants of the Summer School to gain their knowledge and experience in coastal management.

Once again, welcome to the ACRS2012 and 8th ISPRS Student Consortium and WG VI/5 Summer School.

DR. SOMCHET THINAPHONG

Chairman of Executive Board, Geo-Informatics and Space Technology Development Agency

On behalf of Geo-informatics and Space Technology Development Agency (GISTDA), I would like to welcome Conference attendees, sponsors, and exhibitors to the 33rd Asian Conference on Remote Sensing (ACRS2012) in a beautiful seaside city of Chon Buri, Thailand. It is a great privilege and honor for me to deliver this welcome address.

For more than 3 decades, ACRS has been an annual gathering of various experts, scientists, professionals, scholars and students in remote sensing and relating fields to discuss and exchange information, knowledge and experience, as well as to strengthen their network for further collaboration. National and international collaboration among governmental agencies, educational institutes and industrial enterprises are key components of spatial management, especially during disaster incidences. As disasters occurred in many areas around the world, space technology has proved to be a powerful tool to provide large coverage data to assess, analyze and mitigate the damages, and provide relief efforts.

As the local host of this Conference, I am really happy to take part in this Conference aiming at enhancing the development of space science and utilization of space-based technology for human security and sustainability of environment and society. I wish all participants a fruitful and enlightening experience at the Conference, and an enjoyable stay in Thailand.

DR. ANOND SNIDVONGS

Executive Director, Geo-Informatics and Space Technology Development Agency

Dear Conference participants, sponsors, exhibitors and guests, on behalf of Geo-informatics and Space Technology Development Agency (GISTDA), it is a great pleasure and honor for us to co-host the 33rd Asian Conference on Remote Sensing (ACRS2012) with Asian Association on Remote Sensing (AARS), Ministry of Science and Technology, Burapha University, Kasetsart University, Pattaya City and Chon Buri Province. I would like to welcome you to Pattaya and Chon Buri, the most dynamic city and province of Thailand.

More than 30 years ago, the first ACRS was held in Bangkok, Thailand in November 1980. At that time, there were only 159 participants from 12 countries. Later, in 1988, Thailand was the host of the 9th ACRS, which was held in Bangkok again. In 1995, Thailand hosted the 16th ACRS at Suranaree

University of Technology Nakhon Ratchasima. Again, we hosted the 25th ACRS held in Chiang Mai in 2004. This is the fifth time for us to warmly welcome you with hospitality and cordiality. The concurrent activities of this Conference include 8th International Society for Photogrammetry and Remote Sensing (ISPRS) Student Consortium and WG VI/5 Summer School and WEBCON2 (Web Contest 2).

Furthermore, participants of this Conference have a great opportunity to visit Thaichote Ground Control Station and Grand Opening of Visionaruim on 28th November, 2012. These facilities are parts of Space Krenovation Park (SKP) locating in Sri Racha, Chon Buri. Also, GISTDA is in the process to develop Thaichote-2 and ASEAN regional training center as components of the SKP. In the near future, SKP will be ready to provide a full cycle service to remote sensing community in this region.

Not only will participants have great opportunities to exchange knowledge and experiences in the field of remote sensing and related sciences, but also have opportunity to participate in Loi Kratong festival during the period of the Conference. Loi Kratong will take place in the evening of the full moon night of 28th November 2012. Participants will have an exquisite experience to float a Kratong on a river or pond to pay respect to the spirit of water. I am confident that participants will be fulfilled with rich and diverse ranges of scientific and cultural experiences.

Once again, thank you for your participation. I wish the Conference a great success and wish you a pleasant and memorable stay in Thailand. Our staff are ready to render any assistance you may need during your stay. Thank you.

Keynote Speakers

Convention A
November 26, 2012
10:30-14:20

PROF. DR. SHUNJI MURAI is currently a Professor Emeritus at the University of Tokyo and President of several academic and professional societies in Japan, including Japan Association of Surveyors, Japan Society of Photogrammetry and Remote Sensing (JSPRS), and Japan Association of Remote Sensing (JARS). Prof. Murai graduated from Department of Civil Engineering, University of Tokyo in 1963 and was awarded Doctor of Engineering in 1970. Since Then he has devoted himself to the research, development, education and promotion of remote sensing and related disciplines.

Prof. Murai was an Associate professor and Professor at the Institute of Industrial Science, University of Tokyo from 1971 to 1983 and from 1983 to 2000, respectively. He was also twice appointed as a Professor at the Asian Institute of Technology (AIT) from 1992 to 1995 and from 1997 to 1999. From 1992 to 1996, he was the President of the International Society for Photogrammetry and Remote Sensing (ISPRS). Prof. Murai's one of the most renowned experiences is his devotion and long-term commitment to Asian Association on Remote Sensing (AARS), which he co-founded in 1981 and had served as the General Secretary until 2009.

Prof. Murai has received many awards and honors from international institutes and organizations. These awards and honors include: Honorary Fellow, ITC (Netherlands 1993); Honorary Professor; Wuhan University (China 1994); Indrambarya Gold Medal (AARS 1995X; Most Exalted Order of White Elephant Class II (Thailand 1997); Honorary Doctor, Swiss Federal Institute of Technology (ETH 1998); Honorary Member (ISPRS 2000); and Honorary Member (AARS 2009).

Prof. Murai has authored, co-authored and edited more than 50 books, including Human and Disaster (Chairman and Co-author, Editing Committee in 2006; Volume 1 and 2007; Volume 2 in Japanese Version published by SBB), Geo-spatial Information Engineering (Author, Japan Association of Surveyors 1999), Toward Geo-spatial Information consultant (Supervisor and Co-author, Japan Association of Surveyors 2010), Lessons from East Japan Earthquake and Tsunami (Japanese) published from Kokon Shoin, 2011, and others. He also has a patent for Prediction on Volcanic Eruption and Earthquake (Japanese Patent: No. 3763130, 2006).

ASSOC. PROF. DR. SOMCHET THINAPHONG is the Chairman of Executive Board of GISTDA. He is also the Managing Director of Dawei Development Company Limited.

Dr. Somchet received his Master and Doctor of Engineering from Asian Institute of Technology (AIT) in 1973 and 1980 respectively; and his Bachelor of Engineering was from University of Tasmania, Australia. Prior to his current position, he was the President of Suvarnabhumi Airport from 1999-2001, Governor of Industrial Estate Authority of Thailand (IEAT) from 1990-2000.

Between 1988-2004, he held 9 Board Directors in State Enterprises directly involving in Mega Projects such as Airports, Seaports, Underground Rapid Transit; and Expressway; and also PTTEP projects.

He has diverse research experiences as a Project Director of: Spatial Database Development for Small Reservoirs in Nampong, Lampao and Chi Watersheds using Landsat Data (Rural Development Institute, Khon Kaen University; Coastal Erosion along the Thailand Gulf perimeters via spatial overlay Analysis (AIT); Flood Plain Management along the Chao Phaya river basin based on Delft Flood Model and Digital Elevation Model; Extreme Sea Water Level Analysis, Gulf of Thailand; and Sedimentation in the Sattahip Bay.

PROF. DR. CHEN JUN is the president of International Society of Photogrammetry and Remote Sensing (ISPRS, 2012-2016). He graduated from Wuhan Technical University of Surveying and Mapping (now Wuhan University) in 1983, and became an associate professor in 1987 and professor in 1992.Since 1995, he has served as vice president (1995-1999) and president (2000-2009) of National Geomatics Center of China (NGCC). He is now chief scientist of NGCC. He served ISPRS congress director (2004-2008) and Secretary General of International Society of Photogrammetry and Remote Sensing (2008-2012), president of China Association of GIS (1999-2011).

He has led a number of national mapping projects and research grants from National Science Foundation, such as the establishment and updating of national 1:50,000 databases, global land cover mapping at 30 meter resolutions and dynamic Service-oriented computing. He had published about more than 100 papers in both international and domestic journals. He was awarded a National Science Prize for his outstanding research achievements in the field of dynamic and multi-dimensional data modeling, and other 10 scientific awards. He is editorial board member of IJGIS and ISPRS J. GIS.

PROF. DR. TALGAT AMANGELIDIEVICH MUSABAYEV is the Chairman of National Space Agency of the Republic of Kazakhstan. He fluently speaks Kazakh, Russian, English languages. In 1974 Talgat Musabayev completed Lenin Komsomol Riga Institute of civil aviation in "Technical exploitation of aviation radioequipment" specialty. From 1977 to 1984 Talgat Musabayev had being trained in Alma-Ata DOSAAF aero club. In 1986 Talgat Musabayev had been issued with the certificate of civil aviation pilot by Ministry civil aviation higher qualified commission. In 1993 Talgat Musabayev completed Aktyubinsk high air school of civil aviation and had been given the diploma of the engineer-pilot. In April, 1974 Talgat Musabayev began his career as an aircraft and radioelectronic equipment engineer in Burunday United aircraft troop of the civil aviation air service. Till September, 1990 Talgat Musabayev took up different engineer, air and commander posts in Kazakh department of civil aviation.

From 1990 to 2003 Talgat Musabayev has taken up the post of a candidate to cosmonaut-researchers, then as a candidate to test-cosmonaut -, then as a test-cosmonauts instructor, and then as a group commander of test-cosmonaut instructors in the Y.A. Gagarin Centre of cosmonaut preparation. From 2003 to 2005 Talgat Musabayev has been a chief of combat preparation to army aviation of armed power of Russian Federation. From 2005 to 2007 Talgat Musabayev has been a director in chief of joint stock "Kazakhstan-Russian enterprise "Bayterek" on setting up the cosmic missile complex "Bayterek" at "Baikonur" cosmodrome. From 10 February 2007 to 11April 2007 Talgat Musabayev has been a Chairman of the Aerospace committee in Ministry of Education and Health of RK. From 11 April 2007 to the present time Talgat Musabayev has been a Chairman of National Space Agency of RK.

Talgat Musabayev is the 1st class-spacepilot He has made three long space flights more than 342 day long. From July, 1 to November, 4 in 1994 Talgat Musabayev has made his first space flight on "SOYUZ TM-19"spaceships as a crew shipboard-engineer of the main expedition EO-16.

Talgat Musabayev has made two outputs to open space 11 hours 7 minutes long. From January, 29 to August,25 1998 Talgat Musabayev has made the second space flight as a commander of international Russian-Kazakh-American-French crew of the "SOYUZ TM-27"spaceship and the orbital complex "MIR" by the main expedition EO-25 (NASA-7/Pegasus) program. During that flight he he had being executed 5 outputs to open space 30 hours 8 minutes long. The flight's length has formed 208 day. From April, 28 to May,6 2001 Talgat Musabayev has made his third space flight as commander of the "SOYUZ TM-32" and "SOYUZ TM-31" to the international station with the world first space tourist, the USA citizen Denis Titto.

During his professional and public activity Talgat Musabayev has made a magnificent contribution to the aviations and astronautics development and to the fortification of the friendship and mutually beneficial cooperation between Kazakhstan and Russia, as well as in the field of World astronautics. Talgat Musabayev is a Member of the national-democratic party "Nur-Otan". He has numerous government and international awards, premiums, honorable ranks.

Convention A
November 30, 2012
10:00-11:30

DR. CHAOWALIT SILAPATHONG got a Bachelor degree on Forestry and Master degree on Forest management from Kasetsart University in 1987 and 1982 respectively. He started his career as a forest scientist at Department of Forestry in 1980 and transferred to Thailand Remote Sensing Center, the National Research Council of Thailand (NRCT), as a research scientist, in 1981. In 1987 he was granted a French scholarship to conduct a Doctorat program in France and finished a Doctorat degree on Ecology and Remote Sensing from Paul Sabtier University in Toulouse in 1992. Oust standing activities he performed at NRCT were GlobeSAR program with NRCAN , AIRSAR program with JPL-NASA and GRNS (Global Research Network System) with NASDA (now JAXA). In 2000, with the establishment of GISTDA, Geo-Informatic and Space Technology Development Agency (Public organization), he started activities on Spatial Data Infrastructure, as the head of Data standardization section. He is the leader of the core team initiating and establishing the NSDI of the country. During 2005 to 2006, he was assigned to be the Supervisor of the Thai engineers team, at ASTRIUM, Toulouse, France, under the THEOS program.

In 2006, after came back from Toulouse, he was promoted as the Dircector of Geo-informatics Center and was also designated as an assistant secretariat of the National Committee on Geo-informatics. His responsibility under the Committee is to facilitate and to drive the recent action plan on NSDI.

During the Thailand big flood event in 2011, he worked as the head of GIS team providing geo-spatial map and information to the Thailand Flood Relief Operation Center (FROC) of the government. He is also a member of expert group on DRR (Disaster Risk Reduction) of ESCAP since 2009.

PROF. DR. KOHEI CHO graduated Department of Applied Physics at the Science University of Tokyo, in 1979. After finishing his master course on remote sensing at Chiba University, he joined the Remote Sensing Technology Center of Japan (RESTEC) in 1982 as a research scientist. In RESTEC, he was involved in JICA Remote Sensing Training Course as a lecturer. Many trainees are now working as remote sensing specialists in Asia. One of his main achievements in RESTEC was constructing the land use data updating system using satellite images. The system was officially used by the National Land Agency for updating land use data of Japan. Through this work, he was given the doctor degree from University of Tokyo in 1992. In the same year, he moved to Tokai University as a lecturer and was also assigned as the Chairperson of the International Society for Photogrammetry and Remote Sensing(ISPRS) Commission VI WG 2 on Computer Assisted teaching. In 1996, he initiated the educational software contest CATCON at the ISPRS Vienna Congress. Through these achievements, he was awarded the Honorary Mention by the President of ISPRS. From 2004 to 2008, he was the President of ISPRS Commission VI on Education and Outreach. In 2009, He was assigned as the General Secretary of the Asian Association on Remote Sensing(AARS), and was awarded the Dr. Boon Indrambarya Gold Medal to his contribution to remote sensing activities in Asia. He is currently a professor and the Dean of School of Information Sciences & Technology at Tokai University.

His scientific interest includes but not limited to sea ice monitoring using passive microwave sensors, near real time disaster monitoring from space, and e-Learning. He has published more than 100 papers on remote sensing in national & international journals and proceedings. He is also co-author of 14 books on remote sensing and image processing.

HONORARY COMMITTEE (LOCAL)
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Somchet Thinaphong
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Manu Omakupt

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Thongchai Simking
Anusorn Kunarsa

SECRETARIAT
Pranpriya Wongsa
Chiwako Fujino
Wageeporn Jamvai
Khomkrit Kongkla

Conference Information

Registration Desk

The registration desk is located in front of Convention A, the Ambassador City Jomtien Hotel.

Service hours of the registration desk are as below:

15:30 – 21:00 Sunday (Nov. 25)

08:00 – 17:00 Monday (Nov. 26)

08:30 – 17:00 Tuesday through Thursday (Nov. 27 – Nov. 29)

Check In

All attendees are required to check in at the registration desk. Each registered participant will receive a name badge, a copy of proceedings on CD, final program, and receipt for all payments made. Participants registering on-site should check-in using the ON-SITE REGISTRATION queue.

Badge Distribution

Participants are kindly reminded to wear name badges at all times while in the conference area or at conference-sponsored events. Access will be prohibited to the exhibit, coffee break, interactive areas, technical sessions, and banquet without presenting a name badge.

Accompanying Person (AP) Pass

Accompanying persons are limited to family members and are not allowed to attend technical sessions. An AP Pass will be issued to every registered accompanying person. The AP Pass includes admission to the banquet.

Service Desk

The service desk will be available near the registration desk. Staff on–duty will be glad to help all conference guests. There will also be travel agents at the desk to provide tour information and arrangement services. The service desk is open from 08:30 to 17:00 Monday through Thursday.

Secretariat Office

The Secretariat Office at Satahip Room. Questions regarding the conference can be answered in the Secretariat Office. Secretariat Office hours are 08:30 to 17:10 Monday through Thursday.

Wireless Internet Access

Free wireless internet access will be available on the first floor of the venue.

Message Boards

Message Boards will be set up at the registration desk so that participants can get useful information from the secretariat or other participants.

Purchase of Proceedings

Participants can purchase DVD proceedings at the registration desk for 500 Baht. each while supplies last.

Exhibits

The Exhibit Booths will be open from 08:30 to 17:00 Monday through Thursday (Nov. 26 – 29) at Convention B.

Registration

Registration Fee

The full registration fee is US$ 100 per person for all participants, including session chairpersons and presenting authors. The fee includes:

- Attendance to the Conference,
- One CD-ROM Proceedings and conference souvenirs,
- Participation in the Opening and Closing Ceremonies,
- Lunches and coffee breaks
- Participation in two banquets,
- Participation in the Exhibition

Additional Fee

Two banquets ticket for accompanying person: The fee is US$ 30 per person.

Presentation Instructions

Oral Presentations

VERY IMPORTANT! Presenters need to turn in their presentations to the registration desk at SATTAHIP room in advance of their presentation time as scheduled below:

DATE	REGISTRATION TIME	SESSION
Nov. 26, 2012	10.30 hrs - 16.30 hrs	A - H
Nov. 27, 2012	08.30 hrs - 12.00 hrs	C - H
	13.00 hrs - 16.30 hrs	D - H
Nov. 28, 2012	08.30 hrs -12.00 hrs	E - H
	13.00 hrs - 16.30 hrs	F - H
Nov. 29, 2012	08.30 hrs - 12.00 hrs	G - H

Due to the large volume of presentations, this preparation time is very important for necessary arrangement so that the program can proceed smoothly. In case presenters arrive less than 12 hours in advance, please take your USB flash drive or CD to the registration desk at your presentation room at least 30 minutes before your presentation time - no later than that!

Language: All oral presentations must be in English.

Length of presentations: A total of 20 minutes (15 minutes for the presentation and 5 minutes for Q & A) has been allocated for each talk. To ensure the session runs smoothly, please respect the time allotted for your presentation. A moderator will be present to manage the time.

System requirements:

- An LCD projector & computer will be available for oral presentations.
- Supported presentation file format is MS PowerPoint (.ppt).
- Videos and photos must be IMBEDDED in your PowerPoint presentation file.
- Videos and photos must be formatted for PC.
- Presenters will not be allowed to use their own computers because of the time taken to switch between computers during the sessions and the possibility of crashes with the onsite system.
- Presenters will not be allowed to put their USB Flash drive or CD directly into the session room computer for the same reason as above.
- Presenters should save their PowerPoint presentation on a storage device that can be turned in and left with our staff (ie: CD or USB Flash drive).

Test your presentation on a PC computer to ensure that all videos and photos open correctly.

Name the file on the storage device:

Please name your file with ONLY the following 3 items:

1. PaperID
2. Session
3. Presentation room name/number -with an UNDERSCORE between each item.

Please name your PowerPoint file as requested, so that your presentation can be easily identified and loaded to the onsite computers.

Poster Presentations

VERY IMPORTANT! Presenters need to register with their posters at SATTAHIP room in advance of their presentation time

DATE	REGISTRATION TIME	SESSION
Nov. 27, 2012	09.00 hrs - 11.00 hrs	13.30 hrs - 15.30 hrs
Nov. 28, 2012	09.00 hrs - 11.00 hrs	13.30 hrs - 14.30 hrs
Nov. 29, 2012	09.00 hrs - 11.00 hrs	13.30 hrs - 15.30 hrs

- All posters must be presented in English
- Poster partition size is 150 cm (height) x 80 cm (width)
- Tape to fasten posters to poster boards will be provided.
- Presenters need to remove their posters at the end of your session.
- The Conference Secretariat takes no responsibility for the left or damaged posters.

Guidelines for Chairpersons & Co-chairpersons

The following is a brief description of the functions of the Chairpersons and Co-chairpersons

Photo-taking/Recording/Copying

Due to author's copyright privileges, it is prohibited to take photos of and/or to copy electronically any scientific material both during oral and at poster sessions, without the expressed permission of the author(s). The Chairpersons and Co-chairpersons are requested to observe that these rules are adhered to.

Conducting the Session

The Chairperson is responsible for conducting the session on time (a timer device is available in the conference room to help with this.). The times indicated in the program schedule for each presentation, is twenty (20) minutes which is inclusive of the presentation question-& answer and discussions.

The Chairperson should open and close the session on time. He or she should ensure that the speakers of the session are present and that they are able to make their presentations without disruption.

The Chairperson is also responsible for well moderating the question-& answer and discussions.

Verification of Presenting Authors

Prior to each presentation the Chairperson and Co-chairperson should verify that the individual to speak is listed in the program as the authors or one of the authors.

Technical Assistance

Co-chairpersons are to be present in the conference rooms "Sriracha room", "Lamchabang Room", "Banbung Room", "U-tapao Room", "Mabtapud Room", "Bangsaray Room", "Rayong room" and "Cholburi Room". These Co-chairpersons will help the Chairpersons and speakers in setting up the speakers' computers or installing the presentation files on the conference room computer, and will help with slide shows if needed.

Time Schedule

In view of the multiple parallel sessions, the time schedule of each session should be strictly kept. The Co-chairpersons may help the Chairperson with the use of the timer device provided in the conference room. Any disruption in the schedule is extremely annoying for those wishing to attend only selected presentations. Therefore, if a gap should occur in the time schedule, it is suggested that the Chairpersons stimulate discussion on the previous talks or seek short oral introductions of relevant papers.

Electronic Presentations

Each conference room is equipped with an autonomous presentation set-up. Authors should upload their electronic presentations to the conference room notebook computer for their presentation. Authors should test their presentations prior to the start of their session.

WEBCON 2

Convention A
November 27, 2012
08:30–12:10

General Information

Google Earth and other net-based services provide the public easy access to satellite/aerial images and other geographic information of any place around the world. Now our interest is "what comes next?" In order to promote students and young scientist activities, AARS (Asian Association on Remote Sensing) has organized a web contest WEBCON at ACRS2011 in Taipei. Following the success of WEBCON, WEBCON 2 will be organized at the 33rd ACRS to be held from November 26-30, 2012 in Pattaya, Thailand.

Objective

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.

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.

8th ISPRS Student Consortium & WG VI/5 Summer School

Theme: Advance Remote Sensing for Coastal Zone Monitoring and Disaster Management

Burapha University (BUU),Chon Buri, Thailand
November 30-December 4, 2012
Participant: 50 persons

General information

The 8th ISPRS SC (Student Consortium) and WG VI/5 Summer School will continue the very successful tradition of the previous summer schools started by the ISPRS Student Consortium in 2005. It includes lectures, practical labs, social events, a field trip and much fun. Apart from acquiring new knowledge in an informal environment, this is an excellent opportunity to meet lecturers and young people and strengthen your network. The Summer School 2012 will be held from November 30 to December 4, 2012 at Burapha University (BUU), Chon Buri, Thailand.

Shuttle buses departing from ACRS2012 venues to BUU will be available on the afternoon of Nov. 30. Departure time is 13:30 at Ambassador City Jomtien hotel's Lobby.

Registration

Time: 10:30-12:00
Date: November 30, 2012
Place: In front of Convention A meeting room at Ambassador City Jomtien hotel, Thailand

Opening Program Ceremony

Time: 15:00 – 16:00
Date: November 30, 2012
Place: Tao-thong 1 meeting room, 2th Floor Tao-Thong Hotel, Burapha University
Welcome addresses by ISPRS and Burapha University
Opening address by GISTDA

Topics and Instructors

December 1, 2012

Geo-spatial Technologies for Disaster Management
Prof. Dr. Shunji Murai
Professor Emeritus, University of Tokyo

Environmental Management using Remote Sensing and GIS, including Disaster Management
Dr. Abhijat Arun Abhyankar
NICMAR, India

Optical Remote Sensing for Disaster and Coastal Zone Management
Prof. Emmanuel Baltsavias
ETH Zuerich, Switzerland

December 2, 2012

Microwave Remote Sensing (Coastal Zone Approach)
Dr.Akira Mukaida
Remote Sensing Technology Center of Japan

Monitoring of Thailand's Eastern Seaboard (E.S.)
Ms.Supaporn Manajitprasert
Faculty of Geoinformatics, Burapha University

December 3, 2012

Field Trip Thailand's Eastern Seaboard

December 4, 2012

Coastal Zone Management
Captain Sommart Niemnail
Hydrographic Engineering Department
Royal Thai Naval Academy

Remote Sensing & GIS for Coastal Zone Management
Dr.Anukul Buranaprateprat
Department of Aquatic Science
Faculty of Science, Burapha University

Contact Person

Dr.Siripon Kamontum
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Institute of Geo-informatics Technology Transfer and Knowledge Development (IGKD)
Geo-informatics and Space Technology Development Agency (GISTDA)
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Mr.Jakrapong Tawala
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Geo-informatics and Space Technology Development Agency (GISTDA)
Tel : +66-2-141-4600 Fax: +66-2-143-9595
E-mail: jakrapong@gistda.or.th
During the ACRS2012 and Summer School, you can contact me at mobile phone 087-807-5515

Technical Tour

The Grand Opening Ceremony: Space Krenovation Park (SKP)

Visionarium, Thaichote Ground Control Station, Si Racha, Chon Buri Province
November 28, 2012
14:30–18:00

TIME	DURATION	DISTANCE	DETAIL
14:30 – 15:15	60 min.	46 Km.	Leaving Ambassador City Jomtien Hotel to SKP, Sriracha, Chonburi
15:15 - 17:00	120 min.	-	Technical Visit at SKP, Sriracha, Chonburi
17:00 – 18:00	60 min.	56 Km.	Back to Ambassador City Jomtien Hotel

Agenda

15:15 Registration/Guest Arrival
15:45 Opening
by Worawat Auapinyakul
Minister of Science and Technology
15:55 Presentation of SKP Strategy @ Visionarium
by Dr. Anond Snidvongs GISTDA Executive Director
16:00 Partnership Signing Agreement
16:15 Viewing Visionarium (Inspiring Beyond)
16:30 Natural Walk Enroute to Sattellite Control Center
UAV & GI Mobile Exhibition
17:00 Back to Hotel to Loy Krathong Event

Remark: Cocktail Serve

Note: Please refer to location map on page 46

Cultural Tour

Sea Turtle Conservation Center & Yanasangwaram Temple
November 29, 2012
13:30-17:00

TIME	DURATION	DISTANCE	DETAIL
13:30 - 14:15	45 min.	30 Km.	Leaving Ambassador City Jomtien to Sea Turtle Conservation Center
14:15 - 15:00	45 min.	-	Visit the Center
15.00 - 15:50	50 min.	34 Km.	Leaving the Center to Yanasangwaram Temple
15:50 - 16:35	45 min.	-	Visit the Yanasangwaram Temple
16:35 – 17:00	20 min	13 Km.	Back to Ambassador City Jomtien Hotel

Note: Please refer to location map on page 46

Social Events

BANQUET AND CULTURE NIGHT
18:00 Monday, Nov. 26 | Diamond Room 3rd Floor

BANQUET & LOY KRATHONG FESTIVAL
18:00 Wednesday, Nov. 28 | Diamond Room 3rd Floor

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The e-GEOS Emergency Management Service relies on a dedicated crisis room, with backup production centers in Europe, to provide rapid and effective response to emergency requests, generated by authorized users across the EU27 countries. e-GEOS experience dates back over many years of implementing such services within FP7-GMES projects SAFER and G-MOSAIC.

Hydrogeological Risk Maps and Flood Emergency Response

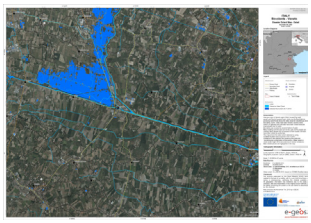
Thanks to its wide experience in processing SAR data, e-GEOS has developed a software system called *e-FLOOD, used as main component in processing chains devoted to flood detection services. *e-FLOOD is built as a plug-in to the ENVI platform

The combined analysis of several information layers – such as land use / land cover, morphology, hydrological networks – allows the classification of a specific territory according to predefined hydrogeological risk classes. This type of thematic map allows the verification of specific safety conditions in areas of higher hydrogeological risk.

Within areas at risk it is possible to increase the scale of the analysis, generate and analyze very accurate digital elevation models and use hydraulic models to generate hazard maps and soil vulnerability maps, classified according to the different timings of critical events, predicting the variety of possible damage and to plan / manage prevention and emergency response.

Following a flood event, Flood masks are derived by analyzing each SAR / optical acquisition with specific semi-automated and robust unsupervised classification algorithms. Visual inspection of the image is used for system parameter set-up and removal of false alarms.

Floods in Veneto – Bovolenta Reference map



Floods in Veneto, Bovolenta disaster extent map

Earthquake products

Satellite data can help map areas affected by earthquakes by identifying the damaged areas and supporting immediate disaster operations and planning, as well as providing essential information for recovery and reconstruction. During the Emergency Response phase, satellites can provide up-to-date images of the situation, within hours of the earthquake occurrence. Field teams use these maps to orientate as well as to find appropriate places for camps or field hospitals.

Earthquake products (e.g. reference maps, road trafficability analyses, detail damage assessments) are generally derived through visual interpretation of the satellite image. A trained operator inspects the whole image and makes annotations over relevant features, assigning damage classes.-

Road trafficability map – Haiti

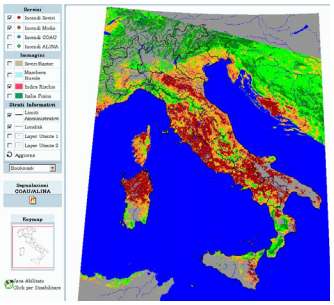
Fire Detection and Monitoring products

To satisfy and support the requirements of national and regional administrations, civil protection and fire departments, e-GEOS has developed an innovative real-time automatic Fire Detection and Monitoring application which allow both an effective exploitation of the high frequency of the geostationary sensor acquisitions and the overcoming of their spatial resolution limitations.

The high performance obtained by exploiting the developed technology allows to provide an effective service for supporting extinguishment activities and in general for the environmental preservation applications. Fire-prone areas and rapid Burnt Scar Mapping complete the fire portfolio.

Fire Detection and Monitoring products are provided with a frequency of 5 or 15 minutes by exploiting respectively MSG / SEVIRI 1 and 2 satellite sensors with a spatial resolution 0f 3 x 3 km. Such products provide real-time information of new fires with early warning performance and allows the monitoring of the fire dynamic by showing the fire spread direction and growth. To this end, meteorological information are provided within the Fire Detection and Monitoring products.

The combination of information from soil temperature and vegetation indexes (LST and NDVI) allow the generation of mid-resolution dynamic fire risk maps. These indexes can be derived from automated MODIS processing and they are highly correlated to fire tendency.



Fire-prone areas map of Italian territory

Fire-prone areas are generated daily in Near Real Time (NRT), exploiting the MODIS acquisition facility at the e-GEOS Matera space station.

Fire edge risk maps are based on Very High Resolution (50 cm or better) optical airborne and satellite images, focusing on urban (including minor) and wooded areas, and generated on an annual basis, before the fire season starts, using VVHR optical data and visual interpretation.

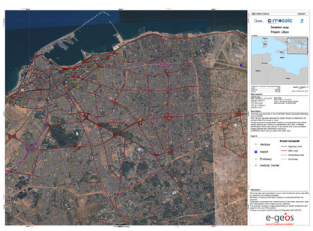
Humanitarian aid

Natural disasters, political crises and civil unrest as well as exceptional meteorological conditions (e.g. drought) might evolve in humanitarian crisis.

Typical scenarios are Internally Displaced People (IDP) camps, spontaneous gatherings close to cross border checkpoints or civil unrests in urban areas

Such scenarios are generally denominated complex crises and are subject to close cooperation with activities in the field on the Security domain (e.g. EEAS).

Depending on the type of event causing an humanitarian crisis, the thematic information to be included in the crisis products may include new temporary settlement, damaged/affected areas, infrastructure accessibility and natural resource availability.



Tripoli infrastructure and transportation map

e-GEOS-led consortium to become sole EU Rush Emergency Response Service provider in support of disaster management

e-GEOS has been awarded two 3-year contracts for the provision of disaster management geo-information by the European Union, through the Joint Research Center (JRC). The contract, called GIO ERS for GMES Initial Operations Emergency Response Services, has entered into force and the service will begin on April 1st.

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Korea Water Resource Management

K-Water

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- **River Guide** Web-based 3D visualization System for supporting decision-making during integrated management for water utilization, flood control after 4 Rivers completion

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- Worldwide exclusive distributor of KOMPSAT imagery
- Distributor of DubaiSat-1/DubaiSat-2(coming soon)/Deimos-2(coming soon) imagery

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Technical Program

Technical Sessions

Tuesday, November 27
08:30-10:30

A1: Forest Cover and Carbon Mapping

Room: Banbung
Chair: Dr. Xianlin Qin
Co-Chair: Monchaya Tiboon

ASSESSING FOREST COVER CHANGES FROM MULTI-TEMPORAL LANDSAT DATA FOR SELECTED LOCATIONS IN MYANMAR (BURMA)
Fujiang Liu

MAPPING OF REGIONAL FOREST COVER CHANGES IN MALAYSIA USING MODERATE RESOLUTION IMAGING SPECTRORADIOMETER
Mohd Azahari Faidi

CHINESE NATIONAL FOREST TYPES IDENTIFICATION METHOD USING FY-3A MERSI DATA
Xianlin Qin

FOREST ABOVEGROUND BIOMASS ESTIMATION USING ICESAT/GLAS AND IMAGERY REMOTE SENSING DATA IN THE GREATER MEKONG SUBREGION: 1ST RESULT FROM YUNNAN PROVINCE, CHINA
Yong Pang

INTRODUCTION OF FOREST COVER AND CARBON MAPPING IN THE GREATER MEKONG SUBREGION AND MALAYSIA PROJECT
Yong Pang

A2: Algorithm and Image Processing

Room: Rayong
Chair: Dr. Preesan Rakwatin
Co-Chair: Amornchai Prakobya

DETECTION OF MOVING VEHICLES WITH WORLDVIEW-2 SATELLITE DATA
Andrea Marchesi

WAVELET-BASED SPATIO-TEMPORAL FUSION OF OBSERVED RAINFALL WITH NDVI IN SRI LANKA
Yann Chemin

A CAMERA BASED LOCATION ESTIMATION USING POINT CLOUDS
Masafumi Nakagawa

ENDMEMBER SET SELECTION FOR HYPERSPECTRAL IMAGERY
Nareenart Raksuntorn

INTER-COMPARISON OF THEOS AND LANDSAT-5 TM OVER THE LIBYA 4 PSEUDO-INVARIANT CALIBRATION SITE
Morakot Kaewmanee

AUTOMATIC GENERATION OF BUILDING MODELS IN DENSE URBAN AREAS USING AIRBORNE LIDAR AND AERIAL PHOTOGRAPH
Junichi Susaki

A3: Disaster

Room: Sriracha
Chair: Dr. Abhijat A. Abhyankar
Co-Chair: Yootthapoom Pothiracha

ESTIMATION OF FLOODED AREAS DUE TO SUPERCYCLONE USING RADARSAT-1 SAR DATA AND DISCRIMINANT APPROACH-AN INDIAN CASE STUDY
Abhijat Abhyankar

DETECTION OF CRUSTAL MOVEMENTS DUE TO AFTERSHOCKS OF THE 2011 TOHOKU, JAPAN EARTHQUAKE FROM TERRASAR-X IMAGES
Wen Liu

DAMAGE DETECTION OF THE MAY 6, 2012 TORNADO IN TSUKUBA, JAPAN USING AERIAL THERMAL INFRARED IMAGES
Daiki Hanada

PROBABILITY OF LANDSLIDE OCCURENCE MAPPING USING PROBABILITY DENSITY FUNCTION: A CASE STUDY OF THE MAE THA FORMATION IN NAMLI WATERSHED, THAILAND
Sunya Sarapirome

CLASSIFYING BURNED AREAS UTILIZING THE LANDSAT 5TM AND IDENTIFYING THE REGRESSIVE TRAJECTORY OF CLIMATIC AIR FLOW TO CHIANG RAI, THAILAND
Nion Sirimongkonlertkun

FIRE OCCURRENCE AND BURNING BIOMASS STATISTICS IN MONGOLIA
Magsar Erdenetuya

A4: Mapping

Room: U-Tapao
Chair: Mr.Tatiya Chuentragun
Co-Chair: Nuttorn Kaewpoo

ACCURACY COMPARISON OF LAND COVER MAPPING USING THE OBJECT-ORIENTED IMAGE CLASSIFICATION WITH MACHINE LEARNING ALGORITHMS
Shota Mochizuki

CROWD-SOURCING GIS FOR GLOBAL URBAN AREA MAPPING
Hiroyuki Miyazaki

CALIBRATION AND ACCURACY ASSESSMENT OF ASTER GDEM FOR THE MAJOR RIVER BASINS IN THE PHILIPPINES
John Louie Fabila

EXTRACTION OF BENTHIC COVER INFORMATION FROM VIDEO TOWS AND PHOTOGRAPHS USING OBJECT-BASED IMAGE ANALYSIS
Mari Trix Estomata

RECOGNITION OF URBAN FRINGE AREA BASED ON REMOTE SENSING IMAGE: A CASE STUDY OF GUANGZHOU-FOSHAN METROPOLITAN AREA
Junyi Huang

VRS GPS SUPPORTED BUNDLE ADJUSTMENTWITH SELF-CALIBRATION FOR UNMANNED AERIAL VEHICLE IMAGES
Min-Yu Li

A5: Algorithm and Image Processing

Room: Cholburi
Chair: Dr. Wataru Takeuch
Co-Chair: Anuphao Aobpaet

AUTOMATIC ROAD FEATURE EXTRACTION FROM HIGH RESOLUTION SATELLITE IMAGES USING LVQ NEURAL NETWORKS
Jayan Wijesingha

SPECTRAL SUPER RESOLUTION FOR EXTRACTION OF VEGETATION INDICES FROM MULTISPECTRAL SATELLITE IMAGERY
Tao Guo

MINERAL DETECTION IN HYPERSPECTRAL DATA USING CHARACTERISTICS OF SPECTRAL PROFILES
Majid Oskouei

SHIP DETECTION IN TERRASAR-X HIGH-RESOLUTION SPOTLIGHT DUAL-POLARIZATION IMAGERY
Ken Yoong Lee

DEVELOPMENT OF APPLICATION TOOL FOR AUTOMATICALLY CREATING QUICKBIRD IMAGERY INDEX
Poramet Thuwakham

PRELIMINARY RESULTS OF POST-SEISMIC DISPLACEMENT OF 2011 MW 6.8 TARLAY EARTHQUAKE, MYANMAR USING TIME-SERIES INSAR TECHNIQUES
Pattama Phodee

A6: Environmental Science

Room: Bangsaray
Chair: Asst. Prof. Dr. Rasamee Suwanwerakumtorn
Co-Chair: Supawadee Intasaeng

RUBBER TREE EXPANSION IN FOREST RESERVE AND PADDY FIELD ACROSS THE GREATER MEKONG SUB-REGION, NORTHEAST THAILAND BASED ON REMOTELY SENSED IMAGERY
Charat Mongkolsawat

SCALING ANALYSIS OF GLOBAL SEA SURFACE TEMPERATURE ANOMALIES
Ming Luo

CORRELATIONS BETWEEN PHYTOPLANKTON DISTRIBUTIONS AND LAND USE/LAND COVER IN PHUKET RESERVIORS
Audomlak Khongsang

A CURRENT AND PREDECTION MONGOLIA
Ariungerel Dorjgotov

EVALUATING COMMON STATISTICAL METHODS USED FOR SPECIES DISTRIBUTION MODELING OF TWO TREE SPECIES
Hou-Chang Chen

SUBSIDENCE CAUSED BY HYDROLOGIC LOADING DERIVED BY PS-INSAR: EXAMPLE TO BAMUCUO LAKE IN TIBET
Gang Li

A7: Natural Resources

Room: Lamchabang
Chair: Dr. Takuhiko Murakami
Co-Chair: Chanika Sukawattanavijit

ECOLOGICAL APPLICATIONS OF DIGITAL CANOPY HEIGHT MODEL DERIVED FROM STEREO PAIR AERIAL PHOTO IMAGES
Takuhiko Murakami

THE USE OF POLARIZED L-BAND ALOS PALSAR FOR IDENTIFYING FOREST COVER IN PENINSULAR MALAYSIA
Hamdan Omar

IS OIL PALM AGRICULTURE EXPANSION REALLY RESTRICTED TO PRE-EXISTING CROPLAND
Jutaporn Keson

LAND USE CHANGE AND THE TOWN PLANNING POLICY OF PHUKET
Papakorn Buaphun

APPLICATION OF REMOTE SENSING FOR MONITORING LAND COVER AND LAND USE CHANGE IN PHANG-NGA PROVINCE, THAILAND
Dithanan Senrit

USE OF MULTIPLE SATELLITE IMAGES FOR FEATURE EXTRACTION AND IMAGE CLASSIFICATION: A CASE STUDY OF RAMSAR WETLAND IN NORTH EAST INDIA
Chitrini Mozumder

A8: Geographic Information Systems and Web GIS

Room: Mabtapud
Chair: Dr. Akira Hirano
Co-Chair: Pisut Nakmuenwai

REMOTE SENSING AND GIS APPROACH FOR CAPTURING HERDERS INDIGENOUS KNOWLEDGE OF SELECTING SUITABLE AREAS FOR WINTER CAMP LOCATIONS IN MONGOLIA
Akira Hirano

WEB AND SMS BASED GEOGRAPHIC INFORMATION SYSTEM TO MONITOR BURGLARY IN A SAMPLE URBAN CENTRE IN TAMIL NADU, INDIA
Pagadala Anand

PROTECTION OF GEOSPATIAL DATA: PRESENT APPROACHES AND RESEARCH NEEDS
Sangita Zope-Chaudhari

COGNITION RESEARCH BASED ON VIRTUAL GEOGRAPHIC ENVIRONMENT: A CASE STUDY OF HUMAN'S VISUAL PERCEPTION AND SPATIAL ENVIRONMENT
Tianpeng Lin

BARENTSWATCH - A SOA BASED SURVEILLANCE SYSTEM AND INFORMATION PORTAL FOR NORWEGIAN WATERS - LESSONS LEARNT FORM ONE YEAR OF IMPLEMENTATION
Frank Øynes

DEM DATA ASSESSMENT FOR HYDROLOGIC APPLICATIONS: A CASE STUDY IN NAM KHEK WATERSHED, THAILAND
Wipop Paengwangthong

Tuesday, November 27
10:50-12:10

B1: Photogrammetry and Surveying
Room: Banbung
Chair: Assoc. Prof. Dr. Chanin Tinnachote
Co-Chair: Panu Nuangjumnong

DISTANCE MEASUREMENT FROM DIGITAL PHOTOGRAPH USING 3RD ORDER POLYNOMIAL EQUATION
Chanin Tinnachote

STREET FACTORY: PHOTOGRAMMETRIC 3D URBAN MODELS
Frank Bignone

AN AUTOMATIC SELECTION AND SOLVING METHOD FOR RATIONAL POLYNOMIAL COEFFICIENTS BASED ON NESTED REGRESSION
Tengfei Long

APPLICATION OF REMOTE SENSING IN LITHOLOGICAL DISCRIMINATION AND GEOLOGICAL MAPPING OF PRECAMBRIAN BASEMENT ROCKS IN THE EASTERN DESERT OF EGYPT
Mohamed Sadek

B2: Algorithm and Image Processing
Room: Rayong
Chair: Asst.Prof. Dr. Suwit Ongsomwang
Co-Chair: Morakot Kaewmanee

FEATURE EXTRACTION AND CLASSIFICATION OF HYPERSPECTRAL IMAGES
Damdinsuren Amarsaikhan

VILLAGE FORMS CLASSIFICATION USING OBJECT BASED IMAGE ANALYSIS
Sopholwit Khamphilung

DEVELOPMENT OF IRREGULAR CLOUD CLUSTER ENCAPSULATING STRUCTURE FROM SATELLITE INFRARED IMAGES
Barnali Goswami

ANALYSIS OF THAICHOTE BAND CHARACTERISTICS USING UNSUPERVISED PIXEL-BASED CLASSIFICATION
Tanee Kamkhet

B3 : Disaster
Room: Sriracha
Chair: Dr. Chaowalit Silapathong
Co-Chair: Yootthapoom Pothiracha

EPIDEMIC RISK ASSESSMENT OF ACUTE WATERY DIARRHEA FOR THE 2011 AYUTTHAYA FLOOD DISASTER USING REMOTE SENSING AND WATER QUALITY DATA
Peera Yomwan

DETECTION OF OLD AGRICULTURAL TERRACES IN STEEP, VEGETATED TERRAIN USING AIRBORNE LIDAR: CASE STUDIES FROM HONG KONG
Robert Sas

TRAJECTORY MODELING OF THE AUGUST 11, 2006 M/T SOLAR 1 OIL SPILL IN GUIMARAS, CENTRAL PHILIPPINES WITH VALIDATION USING ENVISAT ASAR DATA
Jojene Santillan

STUDYING THE OUTBURST OF THE MERZBACHER LAKE OF INYLCHEK GLACIER, KYRGYZSTAN WITH REMOTE SENSING AND FIELD DATA
Arnob Bormudoi

B4 : Mapping
Room: U-Tapao
Chair: Prof. Enrico C. Paringit
Co-Chair: Kampanat Deeudomchan

DETECTING RICE CROP PHENOLOGY FROM TIME-SERIES MODIS DATA
Cheng-Ru Chen

RICE CROP CLASSIFICATION FROM MODIS IMAGERIES USING SOFT AND HARD CLASSIFIERS
Nguyen-Thanh Son

THE EVALUATION OF EXTERIOR ORIENTATION PARAMETERS FROM GLOBAL POSITIONING SYSTEM AND INERTIAL MEASUREMENT UNIT IN THE TEST FIELD
Saranpong Pramsane

DEVELOPMENT OF GPS PHOTOS DATABASE DISTRIBUTING SOFTWARE PACKAGE FOR LAND USE AND LAND COVER APPLICATIONS
An Van

B5: Algorithm and Image Processing
Room: Cholburi
Chair: Dr. Wutjanun Muttitanon
Co-Chair: Anuphao Aobpaet

BUILDING DETECTION IN OBLIQUE AERIAL IMAGES USING OBJECT BASED IMAGE ANAYLYSIS
Ya-Ching Hsu

IMPROVED SIFT TO MATCH THE TEXTURE REPETITIVE REGION IMAGE
Cheng Yi Chen

IDENTIFICATION OF PADDY FIELD FROM VERY HIGH RESOLUTION IMAGE USING OBJECT BASED IMAGE ANALYSIS METHOD. (A CASE STUDY IN RANCAEKEK, BANDUNG, WEST JAVA, INDONESIA)
Achmad Wasil

ANALYZING RULES WITH OBJECT-BASED ANALYSIS TO IRRIGATED RICE CLASSIFICATION: A CASE STUDY OF NONGYASAI DISTRICT, SUPANBURI PROVINCE, THAILAND
Raksa Ruaysap

B6: Health Science
Room: Bangsaray
Chair: Dr. Phutchapol Suvanachai
Co-Chair: Kanjanasiri Parnurai

APPLIED REMOTE SENSING AND GIS FOR EARLY WARNING AND MONITORING OF MALARIA DISEASE IN DIFFERENT ECOSYSTEM IN VIETNAM
Thach Nguyen

PREDICTION OF ONCOMELANIA HUPENSIS DISTRIBUTION BASED ON REMOTE SENSING AND SPATIAL ANALYSIS TECHNOLOGY IN DONGTING LAKE REGION OF CHINA
Zhaoyan Liu

GEO-INFORMATICS FOR HEALTH SURVEILLANCE OF NONTHAI HOSPITAL A CASE STUDY OF NONTHAI DISTRICT NAKHONRATCHASIMA PROVINCE, THAILAND
Pitiwan Faikhoksung

DEPICTION OF CLIMATE ZONES IN THE CONTERMINOUS UNITED STATES USING REMOTE SENSING: APPLICATION TO PUBLIC HEALTH AND VULNERABILITY ASSESSMENT
Alexander Liss

B7: Natural Resources

Room: Lamchabang
Chair: Dr. Satoshi Uchida
Co-Chair: Karn Kamonborisut

SPATIO-TEMPORAL PATTERN OF PADDY RICE PLANTING ESTIMATED BY USING MODIS DATA PRODUCT AND ITS CORRELATION WITH RAINFALL VARIATIONS -A CASE STUDY OF JAVA, INDONESIA-
Satoshi Uchida

THE DEVELOPING OF NATURAL RESOURCES DATABASE FOR SUPPORTING SUB-DISTRICT DEVELOPMENT PLAN BY USING PARTICIPATORY MAPPING (P-MAPPING) A CASE OF PHATTHALUNG PROVINCE, THAILAND
Anisara Tibkaew

DETECTION OF THE GEOTHERMAL ALTERATIONS AND THERMAL ANOMALIES BY PROCESSING OF ASTER DATA, SABALAN, IRAN
Majid Oskouei

DISCRIMINATION OF SAGO PALM FROM OTHER PALM SPECIES BASED ON IN-SITU SPECTRAL RESPONSE MEASUREMENTS
Meriam Santillan

B8: Geographic Information Systems and Web Gis

Room: Mabtapud
Chair: Assoc.Prof. Dr. Kaew Nualchawee
Co-Chair: Pisut Nakmuenwai

TOWARD SPATIALLY ENABLED COUNTRY AND SOCIETY: THE CASE OF THAILAND
Kaew Nualchawee

URBAN CHANGE MONITORING AND LAND USE POLICIES
Somporn Onthong

FUZZY SET AND ANALYTICAL HIERARCHY PROCESS IN GIS APPLICATION
Sunjai Klindao

MODEL DEVELOPMENT FOR WEB - ATLAS SYSTEM APPLYING IN ADMINISTRATION MANAGEMENT
Quy Bui Ngoc

Tuesday, 27 November 2012
13:30-15:00

SAFE

Room: Banbung
Chair: Dr. Shinichi Sobue
Co-Chair: Dr.Doan Minh Chung

THE OVERVIEW OF SPACE APPLICATIONS FOR ENVIRONMENT INITIATIVES
Shinichi Sobue

SPACE APPLICATION AND EARTH OBSERVATION TECHNOLOGIES FOR COASTAL MONITORING FOR COMMUNITY BENEFITS, KAPLPITYYA COASTAL WINDOW, SRI LANKA
Bandula Wickramaarachchi

AN APPROACH TO PREDICT TEMPERATURE VERTICAL PROFILE OF THE OCEAN USING SATELLITE DATA
Jagath Rajapaksha

ECONOMIC FISH LARVAE MAPPING AND MONITORING IN THE GULF OF THAILAND
Phutchapol Suvanachai

ABOVE GROUND BIOMASS MAPPING OF MANGROVE FOREST IN VIETNAM BY ALOS PALSAR POLARIMETRIC MEASUREMENTS
Wataru Takeuchi

Tuesday, November 27
15:20-17:40

C1: Rice Crop Monitoring

Room: Banbung
Chair: Dr. Thuy Le Toan
Co-Chair: Preesan Rakwatin

RICE MONITORING IN THE MEKONG DELTA, VIETNAM
Nguyen Lam

RICE MONITORING IN ASIA USING SAR DATA
Thuy Le Toan

ASIAN RICE CROP MONITORING FOR GEO-GLAM
shinichi sobue

RICE CROP ASSESSMENT AND MONITORING USING SAR DATA: INDIAN EXPERIENCE AND ITS EXTENDIBILITY TO ASIAN REGION
Jai Singh Parihar

AGRICULTURAL MONITORING BY EARTH OBSERVATION SATELLITES
Kei Oyoshi

RICE CROP MONITORING OF THAILAND USING FIELD SERVER AND SATELLITE REMOTE SENSING
Preesan Rakwatin

C2: Algorithm and Image Processing

Room: Rayong
Chair: Dr. Wutjanun Muttitanon
Co-Chair: Tanakorn Sritarapipat

EXTRACTION OF AGRICULTURAL GREENHOUSE FROM HIGH-RESOLUTION REMOTE SENSING IMAGERY
Masayuki Matsuoka

RICE CROP HEIGHT MONITORING USING FIELD SERVERS AND DIGITAL IMAGE ANALYSIS
Tanakorn Sritarapipat

FEATURE EXTRACTION FOR HYPERSPECTRAL IMAGE CUBES BY NOISE-ADJUSTED CANONICAL ANALYSIS
Jhe-Syuan Lai

AUTOMATIC IDENTIFICATION OF CLOUD AND SNOW BASED ON FRACTAL DIMENSION
Ding Haiyan

A MODIFIED MEAN-SHIFT TECHNIQUE FOR SEGMENTATION OF HIGH RESOLUTION SATELLITE IMAGES
Krishna Mohan Buddhiraju

MAPPING ABOVEGROUND CARBON STOCK BY USING SATELLITE IMAGE AND NFI DATA - A COMPARISON BETWEEN KNN AND REGRESSION TREE MODELS
Hieu Nguyen

C3 : Sensor and Platform

Room: Sriracha
Chair: Prof. Haruhisa Shimoda
Co-Chair: Phuriwaj Ruengnaowaroj

GLOBAL CHANGE OBSERVATION MISSION (GCOM)
Haruhisa Shimoda

FOUR NEW SATELLITES IMAGING THE WORLD
Jérôme Soubirane

TUNABLE WIDEBAND WAVELENGTH CONVERTER IN A NONLINEAR FIBER FOR LIDAR APPLICATION
Noor Azura Awang

GROUND-BASED MICROWAVE RADIOMETER'S REMOTE SENSING APPLICATION IN CLOUD DETECTION
ChangGang Wu

PMS, AN ENHANCED MULTI-SPETRAL CAMERA OF ZY-1 02C SATELLITE
Weigang Wang

DEVELOPMENT OF TERRAIN AND OBSTACLE DATABASE OF AREAS IN VICINITY OF AERODROMES USING REMOTE SENSING
Odkhuu Khalzan

A GEOMETRIC ALGORITHM FOR SPACE OPTICAL IMAGING SYSTEM BASED ON TOPOLOGICAL MAPPING RELATIONSHIP
Zhang Zhi

C4: Geographic Information Systems and Web Gis

Room: U-Tapao
Chair: Assoc. Prof. Dr. Sura Pattanakiat
Co-Chair: Khruewan Champangern

APPLICATIONS OF GAME THEORY AND GIS FOR URBAN PLANNING ANALYSIS IN MONGOLIA
Damdinsuren Amarsaikhan

GEOSPATIAL STREET-VIEW RETRIEVAL METHODOLOGY USING GEOTAGGED PHOTOS
Hirotaka Endo

THE DESIGN OF LARGE SCALE DATA MANAGEMENT FOR SPATIAL ANALYSIS ON MOBILE PHONE DATASET
Apichon Witayangkurn

EFFECTS OF DEM RESOLUTION AND SOURCE ON HYDROLOGICAL MODELING
Thassawan Hanuphab

APPLICATION OF GEO-INFORMATICS ON ASSESSMENT OF MINI-HYDROPOWER POTENTIAL IN KHAO LUANG MOUNTAIN RANGE, NAKHON SI THAMMARAT PROVINCE
Adul Bennui

IMPACTS OF FACTORS ON GROUNDWATER POTENTIAL MODELING USING GIS IN PHUKET PROVINCE, THAILAND
Saowanee Charoenpong

DEVELOPMENT OF AUTOMATED DISPLAYING SYSTEM OF NUMEROUS REPORTS FOR SATELLITE BASED SURFACE WATER DATA
Wanapong Kaewsing

C5: Algorithm and Image Processing

Room: Cholburi
Chair: Dr. Ab Latif Ibrahim
Co-Chair: Poramet Thuwakham

CALIBRATION BEST PRACTICES: 25 YEARS EXPERIENCE FROM LANDSAT
Dennis Helder

MAXIMUM LIKELIHOOD CLASSIFIER AND ARTIFICIAL NEURAL NETWORKS FOR LAND USE AND LAND COVER CLASSIFICATION BASED ON TEXTURE ANALYSIS USING THEOS CASE STUDY OF CHOK CHAI DISTRICT, NAKHON RATCHASIMA PROVINCE, THAILAND
Sasikarn Plaiklang

MONGOLIAN EXPERIENCES WITH THE PRACTICAL APPLICATION OF HIGH RESOLUTION SATELLITE IMAGERY CONSIDERING COST-BENEFIT ASPECTS
Saandar Mijiddorj

MULTIPLE ENDMEMBER SPECTRAL MIXTURE ANALYSIS MODEL APPLIED TO WATER COVER MAPPING USING MODIS DATA
Sangmin Kim

LONG-TERM MONITORING OF SURFACEDEFORMATIONOVER DATUNVOLCANOES
Yi-Ning Hong

SEASONAL EFFECT OF THE CLOUD DETECTION METHOD OVER LAND SURFACE BASED ON THE TIME-SERIES NDVI DATA
Hwa-Seon Lee

ASIAN DUST CATEGORIZATION BY MODIS THREE INDICES
Izumi Nagatani

C6: Environmental Science

Room: Bangsaray
Chair: Dr. Aanalia Argerich
Co-Chair: Supawadee Intasaeng

YUNGAS CHANGE DETECTION USING LANDSAT TM IMAGERY FOR LAS JUNTAS, CATAMARCA, ARGENTINA
Analia Argerich

DETERMINATION OF NONPOINT SOURCE POLLUTION INDEX USING MCDA-GIS
Tharapong Phetprayoon

TEMPORAL VARIATION OF URBAN HEAT ISLAND USING LANDSAT DATA: A CASE STUDY OF AHMEDABAD, INDIA
Arun Inamdar

CLASSIFICATION OF GPR DATA USING SVM AND DETECTION OF BURIED OBJECTS
Almelu Mangamma Hebsur

ACTIVE FORELANDWARD PROPAGATION OF THE HIMALAYAN FRONTAL THRUST: INSIGHTS FROM REMOTE SENSING AND DTM BASED INVESTIGATIONS IN THE NORTHWESTERN GANGA BASIN, INDIA
Pardeep Kumar Goswami

SATELLITE REMOTE SENSING, DIGITAL TERRAIN MODELING AND FIELDWORK BASED MORPHOTECTONIC INVESTIGATIONS IN THE NORTHWESTERN GANGA PLAIN, INDIA
Pardeep Kumar Goswami

A REVELATION OF THE LATERAL PROPAGATION AND TILTING OF A SIWALIK TECTONIC BLOCK, CENTRAL HIMALAYA, INDIA
Pardeep Kumar Goswami

C7: Natural Resources

Room: Lamchabang
Chair: Dr. Ardavan Ghorbani
Co-Chair: Karn Kamonborisut

SPATIAL DATABASE CONSTRACTION FOR NATURAL RESOURCES AND WATERSHED MANAGEMENT AT THE PROVINCIAL LEVEL IN IRAN: A CASE STUDY IN ARDABIL PROVINCE
Ardavan Ghorbani

APPLICATION OF REMOTE SENSING TECHNOLOGIES, GIS AND HYDRAULIC, HUYDROLOGICAL MODELS TO ESTABLISH FLOOD MAP IN VINH PHUC PROVINCE
Tuong Vu

EXPLOITING THE DMC SATELLITE CONSTELLATION FOR APPLICATIONS IN AGRICULTURE, FOREST MONITORING AND DISASTER RESPONSE
Katarzyna Wisniewska

SPOT-5 MULTISPECTRAL IMAGE FOR PINE PLANTATION STRUCTURE MAPPING
Ali Shamsoddini

MAPPING ABOVE GROUND CARBON USING WORLDVIEW SATELLITE IMAGE AND LIDAR DATA IN RELATIONSHIP WITH TREE DIVERSITY OF FORESTS
Yogendra Karna

ABOVEGROUND SHRUB BIOMASS ESTIMATION BASED ON LANDSAT DATA IN MU US SANDY LAND, CHINA
Jian Zhao

COMPARISON OF EXPERT SYSTEM AND ARTIFICIAL NEURAL NETWORK CLASSIFICATION FOR CASSAVA AND SUGARCANE AREAS USING THEOS DATA
Wannatat Tessawat

C8: Geographic Information Systems and Web Gis

Room: Mabtapud
Chair: Dr. Anisara Tibkaew
Co-Chair: Pisut Nakmuenwai

DEVELOPMENT OF DISASTER MANAGEMENT DATABASE OF MONGOLIA
V Batsaikhan

USING PERSONAL SCHEDULE INFORMATION TO AID THE DATA SELECTION IN LAS APPLICATIONS
Yi-Min Chiang

ESSENTIAL FOUNDATIONS FOR AN INTEROPERABLE ENVIRONMENT TOWARD REGIONAL SDIS
Gregorio Rosario Michel

THE DEVELOPMENT OF RTSD COORDINATES TRANSFORMATION SERVICE FOR MOBILE DEVICE
Soravis Supavetch

EFFECTS OF ENSO PHENOMENON ON AVERAGE RAINFALL DATASET
Nattapong Puangkeaw

GIS DATABASE DEVELOPMENT FOR CHANGE DETECTION OF EGAT RESERVOIR AREA: TRESPASS AREA CASE STUDY
Patcharavadee Thamarux

URBAN LAND VALUATION USING GEO-SPATIAL SUPPORT SYSTEM
Florence Galeon

Wednesday, November 28
08:30-10:30

D1: Sensor and Platform

Room: Banbung
Chair: Asst. Prof. Dr. Umut Sefercik
Co-Chair: Phuriwaj Ruengnaowaroj

ASSESSMENT OF CLASSIFIED DEMS ACQUIRED BY MEDIUM RESOLUTION SPATIAL DATA
Umut Sefercik

SPATIALLY CARBON MONOXIDE INVESTIGATION IN BANGKOK METROPOLITAN
Wanpen Charoentrakulpeeti

BUILDING DETECTION USING AIRBORNE FULL-WAVEFORM LIDAR DATA
Shun-Min Tang

THE WATER STORAGE ESTIMATION TECHNIQUE FOR FLOOD MITIGATION PLANNING USING LIDAR TECHNOLOGY
Soravis Supavetch

DEVELOPMENT OF MONGOLIAN NANO-SATELLITE
Bolortuul Batsukh

RADIOMETRIC CALIBRATION AND VALIDATION OF KOMPSAT-2 IMAGES USING RELATIVE METHOD
Yonghwa Jung

D2: Algorithm and Image Processing

Room: Rayong
Chair: Prof.Fuan Tsai
Co-Chair: Poramet Thuwakham

USING OBJECT-ORIENTED CLASSIFICATION TO DETECT LANDSLIDES SITES USING HIGH RESOLUTION AERIAL IMAGES
Fan En Kung

ANALYSIS OF REMOTELY SENSED DATA BY MEANS OF LOGIC FILTERS
Cengizhan Ipbuker

FAST FOREST MONITORING ALGORITHM FOR LANDSAT TM IMAGE DATA
Phuong Nguyen

WATER BODY MAPPING FROM SPACE
Duong Nguyen

MULTI-WINDOW MATCHING WITH FEATURE LINE DIRECTION CONSTRAINTS FOR THE GENERATION OF DIGITAL SURFACE MODELS
Hui-Hsin Kao

ANALYSIS OF URBAN HEAT ISLAND PHENOMENON AND ITS RELATIONSHIPS WITH LAND USE/LAND COVER CHARACTERISTICS: CASE STUDY IN BANGKOK METROPOLITAN ADMINISTRATION AREA
Parinya Chayapong

D3: Disaster

Room: Sriracha
Chair: Dr. Jose Edgardo Aban
Co-Chair: Yootthapoom Pothiracha

TSUNAMI HAZARD SIMULATION MAPPING OF NORTHEAST JAPAN USING SRTM30 DATA
Jose Edgardo Aban

UTILIZATION OF SPACE BASED TECHNOLOGIES FOR DISASTER RISK REDUCTION
Kyaw Zaya Htun

NEAR-REAL TIME FLOOD MONITORING IN MARIKINA RIVER PHILIPPINES: MODEL PARAMETERISATION USING REMOTELY-SENSED DATA AND FIELD MEASUREMENTS
Jojene Santillan

RELATING THE KBDI WITH SEA WATER INTRUSION TO FARM LAND
Kyaw Sann Oo

NEURAL NETWORK ALGORITHM FOR OIL SPILL AUTOMATIC DETECTION FROM MULTI MODE RADARSAT-1 SAR SATELLITE DATA
Maged Marghany

D4: Mapping

Room: U-Tapao
Chair: Mr. Seung-Gyu Jeong
Co-Chair: Siripon Kamontum

ROAD SURFACE MODELING FROM VEHICLE-BORNE POINT CLOUD BY PROFILE ANALYSIS
Chih-Wen Wu

MANGROVE MAPPING ANALYSIS ON: OPTICAL AND SYNTHETIC APERTURE RADAR DATA USING ALOS/PLASAR AND ALOS/AVNIR-2
Chathura Wickramasinghe

RECOGNIZING THE ROAD POINTS AND ROAD MARKS FROM MOBILE LIDAR POINT CLOUDS
Yi-No Lien

MAPPING SUMMER TIME PASTURE AMOUNT IN NORTH-CENTRAL MONGOLIA
Batbileg Bayaraa

KOMPSAT-3 DIRECT GEOREFERENCING MODE AND GEOMETRIC CALIBRATION/VALIDATION
DooChun Seo

D5 : Algorithm and Image Processing

Room: Cholburi
Chair: Prof. Peter Tian-Tuan Shih
Co-Chair: Amornchai Prakobya

A NEW SPECTRAL UNMIXING METHOD BASED ON DERIVATIVE OF RATIO SPECTROSCOPY
Owen Zhao

RECONSTRUCTION OF BUILDING MODELS WITH ROOF PATCH CLASSIFICATION
Yun-Jou Lin

INDIVIDUAL DELINEATION OF OIL PALM TREE USING WORLDVIEW02 SATELLITE IMAGE
Alexius Korom

FEATURE ANALYSES FOR GEODATABASE MAINTENANCE USING AERIAL IMAGERY AND LIDAR DATA
Chaoyuan Lo

INCREMENT OF TRAINING SAMPLES FOR HYPERSPECTRAL SUPERVISED CLASSIFICATION BASED ON SPECTRAL SIMILARITY
Masamitsu Ochiai

SPATIO-TEMPORAL ANALYSIS OF URBANIZATION RELATED LAND USE/COVER DYNAMICS USING SATELLITE IMAGERY: CASE STUDY ANTALYA, TURKEY
Dursun Zafer Seker

D6: Environmental Science

Room: Bangsaray
Chair: Dr. Bob Ryerson
Co-Chair: Supawadee Intasaeng

AN APPROACH TO DETERMINE USER NEEDS FOR REMOTE SENSING IN KEY POLICY AREAS: THE CASE OF THE ALBERTA OIL SANDS IN CANADA
Bob Ryerson

FUSION OF MODIS-MISR DATA TO ESTIMATE SINGLE SCATTERING ALBEDO FOR DIFFERENT AEROSOL TYPE
Wei-Hung Lien

GUIDELINE FOR FOREST MANAGEMENT TO REDUCE SOIL LOSS RISK BY WATER IN THE WATERSHED OF BINH DIEN RESERVOIR, THUA THIEN HUE PROVINCE, VIETNAM
Quynh Nguyen

CAPTURING THE IMPACT OF URBANIZATION ON CARBON DIOXIDE EMISSIONS BY DMSP/OLS NIGHTTIME LIGHT DATA
Lina Meng

STAKEHOLDERS' PERCEPTION OF PGIS TECHNOLOGY FOR SOIL EROSION MANAGEMENT OF PHEWA WATERSHED IN NEPAL
Krishna Bhandari

DEVELOPMENT OF MAPPING METHODS FOR MACROPHYTE BEDS IN JAPAN BY USING ALOS AVNIR-2
Tatsuyuki Sagawa

D7: Natural Resources

Room: Lamchabang
Chair: Asst. Prof. Dr. Sakchai Prechaverakul
Co-Chair: Chanika Sukawattanavijit

VEGETATION DYNAMICS AND LAND USE/LAND COVER CHANGE IN CHONGMING ISLAND OF SHANGHAI, CHINA
Guangrong Shen

ESTIMATION OF ABOVE GROUND FOREST BIOMASS IN A TIGER HABITAT OF THE WESTERN NEPAL USING ALOS DATA AND FIELD INVENTORY
Syams Nashrrullah Suprijatna

LAND SUITABILITY ASSESSMENT OF NIPA PALM USING GIS AND ANALYTIC HIERARCHY PROCESS: A CASE STUDY IN PAK PHANANG, THAILAND
Jannet Bencure

USING REMOTE SENSING TO MAP THE DISTRIBUTION OF SAGO PALM (METROXYLON SAGU) IN EASTERN MINDANAO, PHILIPPINES: RESULTS BASED ON LANDSAT ETM+ IMAGE ANALYSIS
Jojene Santillan

COMBINATION OF ALOS PALSAR AND SPOT 5 FOR LAND COVER MAPPING - CASE STUDY OF CA MAU, VIET NAM
Hanh Tran

GENERATING 3D MODEL FOR FLOOD MANAGEMENT : HITECH INDUSTRIAL ESTATE, PHRA NAKHON SI AYUTTAYA
Chanika Sukawattanavijit

D8: Geographic Information Systems and Web Gis

Room: Mabtapud
Chair: Dr. Chattichai Waisurasingha
Co-Chair: Watchara Kesdech

THE UTILIZATION OF GEOGRAPHIC INFORMATION SYSTEMS AND MULTI-CRITERIA DECISION MAKING WITH LOCAL COMMUNITY PARTICIPATION FOR SELECTION OF SITE FOR MICRO HYDROPOWER PROJECT: A CASE STUDY OF CHI RIVER BASIN, THAILAND
Chattichai Waisurasingha

OPPORTUNITY FOR APPLICATION OF REMOTE SENSING AND GIS APPROACH FOR SUGARCANE PRODUCTION ESTIMATE IN THAILAND
Vipaporn Chimnarong

THE DEVELOPMENT OF 3D BIM FOR COASTAL ZONE MANAGEMENT
Prapaporn Pacheerat

Wednesday, November 28
10:50-12:10

E1 : Photogrammetry and Surveying

Room: Banbung
Chair: Asst. Prof. Dr. Puttipol Dumrongchai
Co-Chair: Tatiya Chuentragun

SEMI-AUTOMATIC SIGN BOARD DETECTION FROM A LAND VEHICLE MOBILE MAPPING SYSTEM
Yu-Chun Yen

VERTICAL ACCURACY ASSESSMENT OF SRTM AND ASTER GDEM OVER COASTAL REGIONS OF CHINA: A COMPARATIVE ANALYSIS
Du Xiaoping

MAPPING OF WIDE AREAS USING DIGITAL PHOTOGRAMMETRY: A CASE STUDY IN TURKEY
Umut Sefercik

UAV PROJECT - BUILDING A REALITY-BASED 3D MODEL OF THE NUS (NATIONAL UNIVERSITY OF SINGAPORE) CAMPUS
Rongjun Qin

E2: Algorithm and Image Processing

Room: Rayong
Chair: Dr. Pipat Reungsang
Co-Chair: Tanee Kamkhet

AUTOMATIC TARGET DETECTION ON TUCKER DECOMPOSED HYPERSPECTRAL IMAGES
Ken Yoong Lee

ANALYSIS OF LIDAR WAVEFORM DATA FOR GROUND FILTERING IN A FOREST AREA
Yu-Chia Hung

BUILDING BOUNDARY EXTRACTION FROM LIDAR DATA
Hsiao-Chu Hung

LINE MATCHING FROM MULTIPLE AERIAL IMAGES FOR BUILDING RECONSTRUCTION
Jou-Yu Yen

E3: Other Related Topics

Room: Sriracha
Chair: Prof. Arun Inamdar
Co-Chair: Siripon Kamontum

ABOVE GROUND BIOMASS AND CARBON STOCK ESTIMATION FROM PROSOPIS JULIFLORA IN BANNI GRASSLAND USING SATELLITE AND ANCILLARY DATA
Arun Inamdar

SHORELINE CHANGES ALONG HANSA AND BROKEN WATER BAY COASTAL TRACT OF PAPUA NEW GUINEA THROUGH REMOTE SENSING AND GIS
Sailesh Samanta

INTERACTIVE LAND USE AND TRANSPORTATION PLANS FOR HIGH GROWTH CITY USING REMOTE SENSING
Wenting Zhang

IMPROVING POVERTY TARGET AND ALLEVIATION POLICY USING SPATIAL STATISTICS AND GIS
Romanee Thongdara

E4 : Other Related Topics

Room: U-Tapao
Chair: Mr. Tam Tze Huey
Co-Chair: Surassawadee Phoompanich

APPLICATION OF GIS TO MODEL THE PALM OIL SUPPLY CHAIN IN THE PAKPANANG RIVER BASINAND ADJACENT AREA IN NAKHONSITHAMMARAT.
Boontaree Chanklap

THE ASSESSMENT AND ANALYSIS OF URBAN GREEN SPACE DISTRIBUTION AND CHANGES USING MULTI-TEMPORAL SATELLITE IMAGES WITH EMPHASIS ON SOCIAL JUSTICE (A CASE STUDY 10TH AREAS OF TABRIZ CITY)
Mohsen Ahadnejad Reveshty

INTEGRATION OF REMOTE SENSING, GEOGRAPHIC INFORMATION SYSTEM AND HYDROLOGICAL MODEL FOR RAINFALL-RUNOFF MODELLING
Tan Mou Leong

STUDY OF GROUNDWATER QUALITY USING REMOTE SENSING AND GIS TECHNIQUES
Ab Latif Ibrahim

E5: Algorithm and Image Processing

Room: Cholburi
Chair: Prof. Choen Kim
Co-Chair: Kanjanasiri Parnurai

BIT ERROR SIMULATIONS AND PERFORMANCE INVESTIGATION IN FORMOSAT-5 IMAGE DATA PROCESSING CHAIN
Cynthia Liu

FEATURE EXTRACTION OF BATHYMETRIC LIDAR WAVEFORMS
Wei-Tsun Lin

MERGING SPOT P AND LANDSAT TM THERMAL BAND FOR DETECTION OF LAND USE/COVER
SINASI KAYA

ON THE AID OF SPECTRUM ANALYSIS FOR IMAGE MATCHING
Yu-Yuan Chen

E6 : Environmental Science

Room: Bangsaray
Chair: Dr. Christopher Elvidge
Co-Chair: Supawadee Intasaeng

MONITORING FIRES, FLARES AND FISHING BOATS IN S.E. ASIA USING NOCTURNAL VIIRS DATA
Christopher Elvidge

FORMATION OF HIGH AMPLITUDE COASTAL WAVES IN THE BAY OF BENGAL (EAST COAST OF INDIA) DUE TO CLIMATE CHANGE
Sobhan Sahu

THIN ICE AREA EXTRACTION USING AMSR-E DATA IN THE SEA OF OKHOTSK
Kohei Cho

COMPUTATION OF PHOTOSYNTHETICALLY USABLE RADIATION IN TURBID WATERS
Soo Chin Liew

E7: Natural Resources

Room: Lamchabang
Chair: Dr. Rishiraj Dutta
Co-Chair: Khruewan Champangern

WAVELETS BASED PATTERN ANALYSIS TO DETECT CHANGES IN VEGETATION GROWTH
Rishiraj Dutta

ESTIMATING ABOVEGROUND BIOMASS OF A TROPICAL FOREST IN NORTHERN BORNEO BASED ON INDIVIDUAL TREE CROWNS FROM IKONOS 2 DATA
Mui-How Phua

ANALYSIS OF IN-SITU SPECTRAL REFLECTANCE AND VEGETATION INDICES OF SAGO PALMS FOR EMPIRICAL ESTIMATION OF BIOPHYSICAL ATTRIBUTES: IMPLICATIONS FOR ESTIMATION USING WORLDVIEW-2 IMAGERY
Meriam Santillan

USING NORMALIZED MULTI-BAND DROUGHT INDEX FOR HIGH SPATIAL RESOLUTION SOIL MOISTURE CONTENT MAPPING
Miguel Valdez

Thursday, November 29
08:30-10:30

F1: Algorithm and Image Processing
Room: Banbung
Chair: Dr. Preesan Rakwatin
Co-Chair: Poramet Thuwakham

DETECTING OF SOME POLLUTION COMPONENTS OF SURFACE WATER DISCHARGED FROM URBAN AND INDUSTRIAL PARK WITH SPOT-5 IMAGERIES
Luong Ke

IMAGE MATCHING ERROR DETECTION WITH FOCUS ON MATCHING OF SAR AND OPTICAL IMAGES
Emmanuel Baltsavias

MONITORING OF CROP YIELD IN BORNUUR SOUM USING LEAF AREA INDEX
Batbileg Bayaraa

DETERMINATION SOIL MOISTURE IN THE SOME AREA OF MONGOLIA
Bolortuul Batsukh

A COMPARISON OF SPOT 5 OBJECT BASED CLASSIFICATION BASED ON SPECTRAL AND GLCM TEXTURE ANALYSIS
Penpan Boonderm

ACCURACY ASSESSMENT OF SPECRAL LIBRARY IN HYPERSEPCTRAL IMAGE CLASSIFICATION
Alireza Sharifi

F2: Algorithm and Image Processing
Room: Rayong
Chair: Dr. Supan Karnchanasutham
Co-Chair: Raksa Ruaysap

TARGET DETECTION WITH MULTIPLE REFLECTION LINEAR UNMIXING FOR HYPERSPECTRAL REMOTE SENSING IMAGERY
Hsuan Ren

INTEGRATING DEPTH MAP AND IMU DATA FOR 3D RECONSTRUCTION FORM A SINGLE IMAGE
Tzu-Fei Chen

EXTRACTION OF LINEAR FEATURES FROM AIRBORNE FULL-WAVEFORM LIDAR
Wan-YI Yeh

INTEGRATION OF THEOS AND FORMOSAT-2 IMAGES TO GENERATE DIGITAL ELEVATION MODELS
Liang-Chien Chen

COMPARATIVE ANALYSIS OF BUILDING CHANGE DETECTION USING AERIAL IMAGERY AND LIDAR DATA
Wen-Chi Chang

PERFORMANCE COMPARISON OF GPU AND CPU FOR HIGH-RESOLUTION SATELLITE IMAGE PROCESSING
Choen Kim

F3 : Other Related Topics
Room: Sriracha
Chair: Dr. Tao Wang
Co-Chair: Khruewan Champangern

GEOREFERENCING ACCURACY ANALYSIS OF WORLDVIEW-02 AND IKONOS IMAGES OF SINGAPORE
Tao Wang

POTENTIAL OF PALSAR DATA IN RETRIEVING SPATIAL VARIABILITY OF SOIL MOISTURE IN TROPICAL CATCHMENT
Ab Latif Ibrahim

APPLICATIONS OF INSAR TECHNIQUE TO MONITOR THE SURFACE DEFORMATION ON THE WESTERN LESSER HIMALAYAS AND THE ADJOINING PIEDMONT ZONE OF GANGA PLAIN, INDIA
Akano Yhokha

INTEGRATED USE OF REMOTE SENSING, GIS AND SWAT MODEL TO EXPLORE CLIMATE CHANGE EFFECTS ON RIVER DISCHARGE IN THE CAGAYAN RIVER BASIN AND LAND COVER-BASED ADAPTATION MEASURES
Jeark Principe

APPLICATION OF MODIS IMAGES TO MONITOR THE PROGRESS OF RICE SOWING AND CROPPING CALENDAR ASSISTING IN EARLY WARNING RICE BROWN HOPPER IN THE MEKONG DELTA, VIETNAM
Vo Quang Minh

MULTICHANNEL MAP HEIGHT ESTIMATOR ALGORITHM FOR DEM RECONSTRUCTION FROM DINSAR
Maged Marghany

F4: Global Navigation Satellite Systems
Room: U-Tapao
Chair: Assoc. Prof. Lao-Sheng Lin
Co-Chair: Amornchai Prakobya

MITIGATING THE SYSTEMATIC ERRORS OF E-GPS LEVELING USING NEURAL NETWORK METHOD
Lao-Sheng Lin

THE IMPROVED TAIWAN IONOSPHERIC MODEL (TWIM) AND ITS APPLICATIONS ON GPS POSITIONING
Lung-Chih Tsai

AN INVESTIGATION OF THE EFFECT OF IONOSPHERIC MODELS ON PERFORMANCE OF NETWORK-BASED RTK GPS IN THAILAND
Teeratat Charoenkalunyuta

INITIAL POSITIONING ACCURACY OF THE QUASI-ZENITH SATELLITE MICHIBIKI IN L1-SAIF
Yuta Nagaoka

SELECTIVITY OF MULTIPLE INDOOR POSITIONING SENSORS
Anna Nakanishi

F5: Algorithm And Image Processing

Room: Cholburi
Chair: Asst. Prof. Dr. Suwit Ongsomwang
Co-Chair: Sawarin Lerk-u-suke

EVALUATION OF MULTIPLE CLASSIFIER COMBINATION TECHNIQUES FOR LAND COVER CLASSIFICATION USING MULTISOURCE REMOTE SENSING DATA
Tung Chu

QUANTITATIVE EVALUATION OF THEOS IMAGE PAN-SHARPENING
Sawarin Lerk-u-suke

CLOUD CLASSIFICATION WITH LAND COVER INFORMATION IN MODIS DATA
Pin-Yi Lee

LANDSLIDE DETECTION WITH MULTI-DIMENSIONAL HISTOGRAM EQUALIZATION FOR MULTISPECTRAL REMOTELY SENSED IMAGERY
Cheng-Feng Lin

NEW APPROACH FOR MODELING 3D INDOOR ENVIRONMENTS BASED ON TERRESTRIAL LIDAR
Sungchul Hong

IMPROVEMENT OF MICRO-SATELLITE MULTISPECTRAL PUSHBROOM SENSOR BAND CO-REGISTRATION: AN XSAT CASE STUDY
Wee Juan TAN

F6: Environmental Science

Room: Bangsaray
Chair: Assoc. Prof. Dr. Charat Mongkolsawat
Co-Chair: Nuttorn Kaewpoo

THREE-DIMENSIONAL OF COASTAL FRONT RECONSTRUCTION USING RADARSAT-1 SAR SATELLITE DATA
Maged Marghany

RELATIONSHIPS BETWEEN GROUND WATER LEVEL AND CO2 EMISSION FROM TROPICAL PEATLAND IN INDONESIA.
Haemi PARK

IDENTIFICATION AND PHYSICAL RETRIEVAL OF DUST STORM COMBINING VISIBLE AND THERMAL INFRARED CHANNELS FROM MSG GEOSTATIONARY OBSERVATIONS
Olivier Hautecoeur

AEROSOL OPTICAL DEPTH DERIVED FROM SPOT SATELLITE IMAGES
Chien-Hui Liu

STRONG PHYSICAL AND BIOLOGICAL CHANGES IN THE COASTAL AND OPEN OCEAN WATERS OF THE SOUTH CENTRAL BAY OF BENGAL DUE TO THE STIR OF WEAK CYCLONE BAAZ
Muni Krishna Kailasam

THE INTEGRATION OF GIS AND MATHEMATICAL MODEL FOR SHORELINE PREDICTION
Nuttorn Kaewpoo

F7: Natural Resources

Room: Lamchabang
Chair: Prof. Mohamad Rukieh
Co-Chair: Chanika Sukawattanavijit

USING SPACE IMAGERY IN THE EXPLORATION OF USEFUL RAW MATERIALS
Mohamad Rukieh

EXPERIMENTAL VALIDATION FOR ROBUSTNESS OF GROWTH STAGE CLASSIFICATION MODEL OF PADDY IN INDONESIA BY USING MULTI-YEAR HYPERSPECTRAL DATA
Atsushi Uchida

RICE PHENOLOGY MONITORING IN THAILAND USING TIME-SERIES MODIS IMAGERY
Boonyasith Khobkhun

ESTIMATION OF THE CORRELATION BETWEEN CARBON STOCK VALUE AND VEGETATION INDEX MULTIVARIABLE FROM ALOS AVNIR-2 SATELLITE IMAGING (CASE STUDY: MERUBETIRI NATIONAL PARK, EAST JAVA, INDONESIA)
Irland Fardani

CHARACTERISTICS OF PALEOCLIMATE IN EJINA ALLUVIAL FAN INDICATED BY CROSS SECTION
Qinjun Wang

F8: Photogrammetry and Surveying

Room: Mabtapud
Chair: Prof. Armin Gruen
Co-Chair: Tatiya Chuentragun

AUTOMATIC BUNDLE ADJUSTMENT OF THERMAL INFRARED IMAGES
Ling-Yi Hsu

ALIGNMENT OF POINT CLOUD DATA ACQUIRED FROM CONTINUOUS VIEW POINTS ON FLAT SURFACE
Ochiai Kenta

THE ACCURACY INFLUENCE OF DIFFERENT CAMERA CALIBRATION CONDITIONS TO BUNDLE ADJSUTMENT OF CLOSE RANGE IMAGES
Ju-Yen Lin

THE TERRITORY-WIDE AIRBORNE LIGHT DETECTION AND RANGING SURVEY FOR THE HONG KONG SPECIAL ADMINISTRATIVE REGION
Anthony So

CRUSTAL DEFORMATION DETECTION USING CLOSE-RANGE PHOTOGRAMMETRY
Jynu-Ping Jhan

GEOMETRIC ANALYSIS OF 3D OBJECT POSITIONING USING SAR AND OPTICAL IMAGES
Chin-Jung Yang

Thursday, November 29
10:50-12:10

G1: Photogrammetry and Surveying
Room: Banbung
Chair: Prof. Liang-Chien Chen
Co-Chair: Tatiya Chuentragun

ASSESSMENT OF GRAVITY REQUIREMENTS FOR PRECISE GEOID DETERMINATION IN THAILAND
Puttipol Dumrongchai

EVALUATION OF EGM2008 USING GPS/LEVELING DATA IN THAILAND
Puttipol Dumrongchai

A COMPARISON OF POSITIONING ACCURACY FOR AIRBORNE LIDAR DATA SOLVED BY DGPS AND PPP
Li-Wei Wu

G2: Algorithm and Image Processing
Room: Rayong
Chair: Dr.Supan Karnchanasutham
Co-Chair: Siripak Samiankid

AN APPLICATION-ORIENTED PERSISTENT SCATTERER INTERFEROMETRY SOFTWARE PLATFORM, SKYSENSE-INSAR
Fulong Chen

A COMPARATIVE ANALYSIS OF SPATIAL TEMPORAL FUSION METHODS
Hankui Zhang

A METHOD FOR ESTIMATING SUSPENDED SEDIMENT CONCENTRATION FROM THEOS SATELLITE IMAGARY: A CASE STUDY IN THE COASTAL AREA OF PENANG ISLAND, MALAYSIA
Saumi Syahreza

G3: Disaster
Room: Sriracha
Chair: Dr. Vivarad Phonekeo
Co-Chair: Yootthapoom Pothiracha

PREDICTING AND SOLVING THE DANGERS OF FLOOD IN URBAN BASINS CAUSED BY TORRENTIAL RAINFALLS: BASED ON CASE STUDIES OF ANSAN STREAM AND HAWHEONG STREAM
So Yon Kwon

REMOTE SENSING APPROACH FOR DROUGHT MONITORING IN MONGOLIA
Battsetseg Tuvdendorj

APPLICATION OF GEO-INFORMATION TECHNOLOGY TO MONITOR CHANGES IN SHORELINE OF RAYONG PROVINCE, THAILAND
Krissana Imsawas

CHANGE OF VEGETATION COVER IN MONGOLIA
Bulgan Davdai

G4: Other Related Topics
Room: U-Tapao
Chair: Prof. Chung-Pai Chang
Co-Chair: Khruewan Champangern

RECENT SURFACE DEFORMATION AND ITS GEODYNAMIC INSIGHTS FOR THE ILAN PLAIN: AN EXTENSIONAL BASIN IN NORTHERN TAIWAN OROGENIC BELT
Chung-Pai Chang

JAXA HIGH RESOLUTION LAND-USE AND LAND-COVER MAP
Masuo Takahashi

LONG-TERM MONITORINGOF SURFACEDEFORMATIONOVER DATUNVOLCANOES
Yi-Ning Hong

G5: Algorithm and Image Processing
Room: Cholburi
Chair: Dr. Pipat Reungsang
Co-Chair: Sawarin Lerk-u-suke

GROUND VISIBILITY AND CLOUD COVERAGE ESTIMATION FOR AIR ROUTE MONITORING ON MOUNTAINOUS AREA
Asamaporn Sitthi

ACCURATE MEASUREMENT OF THREE-DIMENSIONAL SURFACE DEFORMATIONS BY ADVANCED INTERFEROMETRIC SAR TECHNIQUE
Hyung-Sup Jung

SUPPORT VECTOR MACHINE (SVM) FOR FOREST COVER CHANGE IDENTIFICATION DERIVED FROM MICROWAVE DATA
Rokhmatuloh

WHEAT LEAF AREA INDEX EXTRACTION COMBINING PASSIVE OPTICAL WITH ACTIVE LASER GROUND SPECTRUM OBSERVATION
Shuai Gao

G6: Environmental Science
Room: Bangsaray
Chair: Assoc. Prof. Dr. Charat Mongkolsawat
Co-Chair: Nuttorn Kaewpoo

FOREST DEGRADATION DETECTION USING MODIS AND LANDSAT DATA IN UNDERSTANDING THE IMPLEMENTATION OF REDD SCENARIO IN EAST KALIMANTAN PROVINCE, INDONESIA
Mulyanto Darmawan

REMOTE SENSING AND GIS FOR MONITORING THE EFFECT OF LANDCOVER ON URBAN INUNDATION IN CAN THO CITY, VIETNAM
Pham Thy

LAND SURFACE TEMPERATURE VARIATION AND ITS NON-STATIONARY RELATIONSHIP WITH ENVIRONMENTAL FACTORS IN SHENZHEN, CHINA
Juan Wang

SIMULATION OF AIR POLLUTION SEVERITY CAUSED BY TRAFFIC IN NAKHON RATCHASIMA MUNICIPALITY, THAILAND
Patiwat Littidej

G7: Geographic Information Systems and Web GIS
Room: Mabtapud
Chair: Asst. Prof. Dr. Sunya Sarapirome
Co-Chair: Jakrapong Tawala

A 3D GIS TO DESIGN TOUR FOR TOURISTS IN WEST LAKE AND SURROUNDING AREA, HANOI CAPITAL, VIETNAM
Hoa Dinh

AN APPLICATION OF GEO-INFORMATICS TO IDENTIFYING VULNERABLE AREAS OF PEATLAND IN THELE-NOI WETLAND
Anan Khampeera

USING GIS AND REMOTE SENSING TO MAP COASTLINE CHANGES OF WEDAM_ALSAHEL AREA, BATINAH, OMAN BETWEEN 1998 AND 2008
Lotfy Azaz

Thursday, 29 November 2012
15:20-17:40

H1: Natural Resources
Room: Banbung
Chair: Dr. Manzul Hazarika
Co-Chair: Amornchai Prakobya

ASSESSMENT OF LAND DEGRADATION IN TAATS RIVER BASIN OF MONGOLIA USING SATELLITE IMAGES AND SOCIO-ECONOMIC DATA
Manzul Hazarika

VEGETATION CONDITION ESTIMATION USING SATELLITE IMAGE TIME SERIES ANALYSIS
Elena Savin

POTENTIAL APPLICATIONS OF REMOTE SENSING TECHNOLOGIES IN OIL PALM NUTRIENT MANAGEMENT
Khosro Khorramnia

SPATIAL TRENDS OF URBANIZATION OF CHINA'S MAJOR CITIES USING REMOTE SENSING DATA
Jinghui Yang

PREDICTING LAND USE CHANGE BY USING CLUE-S MODEL
Chayanee Chandraprabha

H2: Disaster
Room: Sriracha
Chair: Robert J. SAS, Jr
Co-Chair: Kampanat Deeudomchan

MODIS NEAR REAL-TIME AUTOMATIC 250M-ACTIVE FIRE MONITORING SYSTEM FOR SOUTHEAST ASIA - FROM REGIONAL TO NATIONAL SCALE
Vivarad Phonekeo

MAPPING OF LANDSLIDE SUSCEPTIBILITY IN HATLON PROVINCE AND IN THE CENTRAL REGION OF TAJIKISTAN
Kavinda Gunasekara

CHINESE FIRE DISTRIBUTION PATTERN MONITORING USING MODIS DATA
Xianlin Qin

REMOTE SENSING AND GIS TECHNIQUES IN FLOOD FORECASTING AND MANAGEMENT IN COMBINATION WITH SNOWMELT RUNOFF MODEL IN UPPER CATCHMENT OF RIVER INDUS BY SPECIAL ANALYSIS OF WATER INDICES
Muhammad Hasan Baig

A NEW METHOD DETERMINING LANDSLIDE RISK AREA IN THAILAND BY USING LIDAR AND HIGH RESOLUTION AERIAL IMAGE FOR LOCAL DISASTER MANAGEMENT; A CASE STUDY OF BAN NAM KO VILLAGE LOM SAK DISTRICT PETCHABUN PROVINCE
Chanist Prasertburanakul

HIGH-RESOLUTION DIGITAL ELEVATION DATASET DERIVED FROM AIRBORNE LIDAR FOR FLOOD HAZARD ASSESSMENT AND MAPPING APPLIACATIONS
Enrico Paringit

H3: Mapping / Other Related Topics
Room: U-Tapao
Chair: Dr. Chaowalit Silapathong
Co-Chair: Surassawadee Phoompanich

Mapping

LAND USE MAPPING USING VISUAL AND DIGITAL INTERPRETATION OF TM AND GOOGLE EARTH IMAGES IN SHIRVANDARASI WATERSHED (NORTH-WEST OF IRAN)
Ardavan Ghorbani

RULE BASED CLASSIFICATION APPROACH FOR MAPPING LAND DEGRADATION
Anh Le

Other Related Topics

EVALUATION OF NET PRIMARY PRODUCTIVITY OF OIL PALM PLANTATION IN SOUTH SULAWESI INDONESIA
Putri Sunaryathy

THE IMPROVEMENT OF GPS/RO ATMOSPHERIC SOUNDING BY SYNERGISTIC USE OF HYPERSPECTRAL INFRARED RADIANCE MEASUREMENTS
Kai-Wei Chang

STUDYING THE DYNAMICS OF SHIFTING CULTIVATION IN KASI DISTRICT OF LAO PDR USING SATELLITE IMAGES AND SOCIO-ECONOMIC DATA
Manzul Hazarika

H4: Health Science / Environmental Science
Room: Bangsaray
Chair: Assoc. Prof. Mohamad Nor Said
Co-Chair: Kanjanasiri Parnurai

Environmental Science

PERFORMANCE EVALUATION OF IRRIGATION PROJECT USING RS & GIS - A CASE STUDY OF UPPER GANGA CANAL COMMAND
Sherzod Zaitov

SYNTHETIC APERTURE RADAR REMOTE SENSING OF GROUNDWATER DISCHARGE AND OYSTER REEF IN TIDAL FLAT
Duk-jin Kim

USING LIDAR DETERMINING THE HEIGHT OF TREE AND FOREST CANOPY FOR ESTIMATING THE CARBON STORCKS FOR REDD PROGRAM
Chanist Prasertburanakul

Health Science

THE USE OF SPATIAL STATISTICS TO EXPLORE SPATIAL PATTERN AND RELATIONSHIP BETWEEN DRUG ADDICT AND SOCIO-ECONOMIC
Mohamad Nor Said

GRIDS AND CENSUS: A GEOGRAPHIC SAMPLING STRATEGY FOR STUDYING DENGUE VECTOR BLEEDING SITES IN URBAN AREA
Napadol Sudsom

SENSING AIR POLLUTION FOR ENVIRONMENTAL PERFORMANCE INDEX (EPI)
Mazlan Hashim

H5: Algorithm and Image Processing

Room: Lamchabang
Chair: Dr. Emmanuel Baltsavias
Co-Chair: Preesan Rakwatin

AN IMPROVED GRAY GRAVITY CENTER ALGORITHM BASED ON SOBEL OPERATOR AND ITS APPLICATION ON FEATURE POINT?S EXTRACTION FROM REMOTE SENSING DATA
Chao Tang

COMPARATIVE STUDY ON LAND-USE AND LAND-COVER CLASSIFICATION USING UNSUPERVISED CLUSTERING TECHNIQUES ON THEOS DATA IN NAKHON RATCHASIMA MUNICIPALITY AND VICINITY
satith sangpradid

THE EVALUATION AND OPTIMIZATION OF THE ENDMEMBERS EXTRACTED FROM PIXEL PURITY INDEX (PPI)
Milad Niroumand Jadidi

THE IMPROVEMENT OF ATMOSPHERIC BOUNDARY LAYER PROFILING FOR HYPERSPECTRAL INFRARED SOUNDING RETRIEVALS
Chian-Yi Liu

RECUNSTRUCTION OF 3D MODEL OF BUILDINGS MODEL FROM LIDAR DATA USING FUZZY SEGMENTATION
Nikrouz Mostofi

CALIBRATION AND ACCURACY ASSESSMENT OF ASTER GDEM FOR THE MAJOR RIVER BASINS IN THE PHILLIPPINES
Enrico Paringit

H6: Geographic Information Systems and Web GIS

Room: Mabtapud
Chair: Dr. Pagadala Aanand
Co-Chair: Pisut Nakmuenwai

MULTI-CRITERIA EMERGENCY ROUTE PLANNING BASED ON ANALYTICAL HIERARCHY PROCESS AND PGROUTING
Sittichai Choosumrong

GIS DEVELOPMENT FOR REAL ESTATE APPRAISALS IN CHIANG MAI MUNICIPALITY
Awika Panitktikun

THE MULTI-OBJECTIVE ALLOCATION OF SUITABLE LANDS FOR OIL PALM DEVELOPMENT IN KUALA LANGAT DISTRICT, MALAYSIA
Ramin Nourqolipour

WEB BASED RAPID MAPPING OF DISASTER AREAS USING SATELLITE IMAGES, WEB PROCESSING SERVICE, WEB MAP SERVICE, FREQUENCY BASED CHANGE DETECTION ALGORITHM AND J-IVIEW
Joel Bandibas

ANALYZING LAND DEGRADATION DUE TO ROAD DEVELOPMENT USING REMOTE SENSING AND GIS IN UMNUGOI PROVINCE OF MONGOLIA
Battsetseg Batdorj

Poster Sessions

Tuesday, November 27
13:30-15:30

Room: Corridor of Convention C
Session: PS1

Algorithm And Image Processing

PS1-01 COMPARISON OF IMPACT OF JPEG 2000 LOSSY COMPRESSION WITH ECW LOSSY COMPRESSION TO DIGITAL ELEVATION MODEL
Katerina Ruzickova

PS1-02 SELECTION OF OIL PALM TREES PLOT BASED ON NDVI BY LANDSAT(TM)-5 IN TELUK INTAN, MALAYSIA
Veena Shashikant

PS1-03 FEASIBILITY STUDY ON AUTOMATIC EXTRACTION OF WATER QUALITY IN STORAGE RESERVOIR USING ALOS AVNIR-2 DATA
Makoto Tao

PS1-04 DETECTION OF INDIVIDUAL TREE IN ARTIFICIAL FOREST IN JAPAN USING HIGH-RESOLUTION REMOTE SENSING IMAGERY
Tetsuma WADA

PS1-05 COLOR COMPENSATION FOR CLOUD SHADOWS
Chao-Hung Lin

PS1-06 AUTOMATIC SHADOW DETECTION FOR PRECISE MATCHING POINTS EXTRACTION
Junho Yeom

PS1-07 EVALUATION OF SCENE-BASED EMPIRICAL APPROACHES FOR ATMOSPHERIC CORRECTION OF HYPERSPECTRAL IMAGERY
Amirhossein Souri

PS1-08 IMPROVING PARALLELEPIPED CLASSIFICATION BY USING ELLIPTICAL SHAPE AND COMBINING MINIMUM DISTANCE IN MULTISPECTRAL IMAGERY
Amirhossein Souri

PS1-09 TEXTURE-BASED LAND USE CLASSIFICATION OF REMOTE SENSING DATA USING UN-SUPERVISED METHODS WITH MAKOV RANDOM FIELDS TECHNIQUE
Teerapat Butkhot

PS1-10 USING THEOS IMAGERY TO MONITOR LAND USE CHANGE IN NONG HAN CHALERMPRAKIAT WETLAND PARK, SAKON NAKHON PROVINCE, THAILAND
Puvadol Doydee

PS1-11 RESIDUAL TENSOR ANALYSIS FOR QUALITY ASSESSMENT OF DATA INTEGRATION
Rey-Jer You

PS1-12 POSITION MEASUREMENT ASSISTED BY PSO AND 360-DEGREE IMAGES
Walter Chen

PS1-13 AIRPLANE DETECTION BY USING PSEUDO GROUND RESOLUTION IMPROVEMENT FOR MULTIBAND IMAGE
Tsukasa Hosomura

PS1-14 CLASSIFICATION OF LAND-FAST SEA ICE TYPES IN THE GREENLAND, ARCTIC BY USING MULTIFREQUENCY SAR IMAGES
Dohyun Hwang

Disaster

PS1-15 SPATIO-TEMPORAL PATTERNS OF RICE SUBMERGENCE IN NORTH-EASTERN THAILAND WITH TERRA-MODIS
Yann Chemin

PS1-16 WARNING SYSTEM FOR LANDSLIDE DISASTER COMBINED WITH REMOTELY SENSED IMAGE AND GEOSPATIAL DATA AND TERRESTRIAL X BAND MP RADAR DATA
Yuzo Suga

PS1-17 IMPACT ASSESSMENT OF LAND USE/LAND COVER AND CLIMATE CHANGES ON FLOOD OCCURENCES IN CHIANG MAI MUNICIPALITY, THAILAND
Songkot Dasananda

PS1-18 CHAO PHRAYA RIVER FLOODING IN 2011 AND ITS CAUSES
Susumu Ogawa

PS1-19 IDENTIFYING PATTERNS OF TROPICAL CYCLONES MAKING LANDFALL ON INDIAN COAST USING GIS
Abhijat Abhyankar

PS1-20 ESTIMATION OF TSUNAMI-INUNDATED AREAS USING SATELLITE IMAGES AND NUMERICAL MODEL IN ASAHI CITY, CHIBA PREFECTURE, AFTER THE 2011 OFF THE PACIFIC COAST OF TOHOKU EARTHQUAKE
Ken Kitamura

PS1-21 EVALUATION OF SITE AMPLIFICATIONS USING SEISMIC MOTION RECORDS AND GEOMORPHOLOGIC MAPS IN JAPAN
Masaki Sakemoto

Environmental Science

PS1-22 PREDICTION OF WILDLIFE DISTRIBUTION IN JAPAN USING MODIS DATA
Asuka Goto

PS1-23 ESTIMATION OF CARBON STOCK AND SEQUESTRATION IN PARA RUBBER PLANTATION USING THAICHOTE DATA AND OBJECT BASED IMAGE ANALYSIS
Kitsanai CHAROENJIT

PS1-24 RESEARCH ON DETECTION OF RICE ECOTYPES BY CANOPY SPECTRAL REFLECTANCE
Mitsuo Kambayashi

PS1-25 FOREST FIRE SUSCEPTIBILITY MAPPING BASED ON LOGISTIC REGRESSION AND FREQUENCY RATIO METHODS: A CASE STUDY OF CHIANG MAI PROVINCE, THAILAND
Songkot Dasananda

PS1-26 SPATIAL MODELLING OF AIRBORNE PARTICULATE MATTER CONCENTRATION BASED ON MODIS DATA IN THE UPPER NORTHERN THAILAND
Songkot Dasananda

PS1-27 MAPPING URBAN SURFACE TEMPERATURE AT DIFFERENT SPATIAL SCALES IN SOUTHEAST QUEENSLAND, AUSTRALIA
Kasper Johansen

PS1-28 DEVELOPMENT OF METEOROLOGICAL DATABASE AND ITS LINKAGE WITH RS
M Ganzorig

PS1-29 COMPARISON OF MICROTOPS II OZONEMETER AND OMI SATELLITE TOTAL OZONE COLUMN MEASUREMENTS IN MANILA, PHILIPPINES FROM FEB-OCT 2011
Edgar Vallar

PS1-30 ESTIMATION OF SURFACE SOIL MOISTURE USING MODIS IMAGERY
Chi-Farn Chen

PS1-31 MONITORING CHANGESES IN 12 YEARS INNER MONGOLIAN GRASSLAND, CHINA, USING SPOT VEGETATION IMAGES
Gong Zhe

PS1-32 SIMULATION OF CHLOROPHYLL-A ESTIMATION BY WORLDVIEW-2 IN THE URBAN RIVERS OF THE DOMINICAN REPUBLIC USING FIELD SPECTRAL DATA
Yuji Sakuno

PS1-33 PRESICTIONS OF FUTURE LAND USE DEPENDING ON CLIMATE CHANGE SCENARIOS AND RISK ANALYSIS FOR FURTURE ECOSYSTEM SERVICE VALUE
ByungWoo Kim

Geographic Information Systems and Web GIS

PS1-34 DEVELOPMENT, AUTOMATION, AND DOCUMENTATION OF GEOINFORMATICS PROCESSES USING A KNOWLEDGE-BASED ASSISTAN
Kurt Rudahl

PS1-35 LAND SUITABILITY FOR PADDY RICE IN THE LOWER CHI BASIN USING GIS
Benjaporn Hirunkul

PS1-36 A METHODOLOGY FOR DETERMINING CATTLE\'S DUNG POSITION IN GRAZED HILL PASTURE
Rena Yoshitoshi

PS1-37 AN INTEGRATED OPEN-SOURCE GIS AND OBJECT-ORIENTED PROGRAMMING APPROACH FOR THE FC CONTAMINATION-FREE WELL DEPTH AND AGE ANALYSIS IN BUTUAN CITY, PHILIPPINES
Charis Joy Mayo

PS1-38 APPLICATION OF WEB-GIS AND VGI FOR COMMUNITY RESOURCES INVENTORY
Jihn-Fa Jan

PS1-39 PROTOTYPE DEVELOPMENT OF RIVER-BED CHANGE MONITORING SYSTEM FOR RIVER MAINTENANCE MANAGEMENT
Hyun Jung KIM

PS1-40 ASSESSMENT OF CLIMATE CHANGE AND LAND USE IMPATCT ON BEHAVIOR OF STREAM DISCHARGE : USING SWAT
Ji Sun Choi

PS1-41 A STUDY ON CORRELATION AMONG THE MARINE ENVIRONMENTAL DATA BY USING GEOGRAPHICALLY WEIGHTED REGRESSION
Jae-Moon Park

PS1-42 GIS MAPPING FOR MARINE SCIENTIFIC MONITORING INFORMATION AFTER OIL SPILL ACCIDENT
Kim Taehoon

Global Navigation Satellite Systems

PS1-43 EMD BASED DETECTION, IDENTIFICATION AND ADAPTATION OF CYCLE-SLIP FOR GNSS RELATIVE POSITIONING
Shiou-gwo Lin

PS1-44 A PRELIMINARY STUDY ON THE QUALITY OF GNSS RELATIVE POSITIONING FOR A MOVING PLATFORM
Jenny Guo

Health Science

PS1-45 A SPATIAL ANALYSIS OF LIVER FLUKE DISEASE DISTRIBUTION USING GIS IN KHON KAEN PROVINCE, THAILAND
Amonrat Sonsa

PS1-46 APPLICATION OF REMOTE SENSING FOR BECKONING SOCIAL ISSUES
Dewayany Sutrisno

PS1-47 GEOGRAPHICALLY WEIGHTED REGRESSION ON THE ECOLOGICAL FACTORS OF HUMAN LONGEVITY IN GANG-WON PROVINCE, KOREA
DonJeong Choi

Mapping

PS1-48 DEVELOPMENT OF AN INDOOR MOBILE MAPPING SYSTEM TO SHARE POSITION
Jun Kumagai

PS1-49 GROUND PENETRATING RADAR BACKSCATTER FOR UNDERGROUND UTILITY ASSETS MAPPING
Jaw Siow Wei

PS1-50 TERRAIN ANALYSIS OF CROSS COUNTRY MOVEMENT FOR PATHFINDING OF COMBAT MOBILITY IN MILITARY OPERATIONS
Songkot Dasananda

PS1-51 GROUND PENETRATING RADAR FOR DETERMINATION OF BURIED PIPELINE GEOMETRIC PROPERTIES
Jaw Siow Wei

PS1-52 ESTABLISHING ELECTRONIC MAP FOR TOURISM ADVERTISEMENT AND PROPAGANDA FOR ENVIRONMENTAL PROTECTION OF HA LONG CITY
Thi Thu Huyen Nguyen

PS1-53 OUTLIER DETECTION USING LAD METHOD IN CADASTRAL COORDINATE TRANSFORMATION
Yi-Chun Lin

Natural Resources

PS1-54 VARIATION IN THE SPECTRAL REFLECTANCE CHARACTERISTICS OF WATER WITH DIFFERENT AMOUNTS OF SUSPENDED SOLIDS
Peerapon Kamonrat

PS1-55 HERBAGE BIOMASS AND QUALITY STATUS ASSESSMENT IN A MIXED SOWN PASTURE FROM AIRBORNE BASED HYPERSPECTRAL IMAGING
Kensuke Kawamura

PS1-56 DETECTION ACCURACY OF WATERLOGGED PADDY FIELDS USING WIDE FINE MODE OF RADARSAT-2
Naoki Ishitsuka

PS1-57 ESTIMATION OF TIMBER VOLUME USING AIRBORNE LASER SCANNER FOR VARIOUS FOREST TYPES IN JAPAN
Tomoko Furuta

PS1-58 THE SPATIAL TECHNOLOGY APPLICATION RESEARCH ON THE TRACING SOUCE PROJECT OF CHINESE CIVILIZATION
Lijun Yu

PS1-59 USING OF VEGETATION INDICES FROM THAICHOTE SATETLLITE DATA FOR FOREST TYPES CLASSIFICATION IN DOI LUANG NATIONAL PARK, CHIANG RAI PROVINCE
Tuangrat Klaydach

PS1-60 SPATIAL DISTRIBUTION OF CRUDE PROTEIN (CP), CRUDE FIBRE (CF) IN FORAGE SAMPLES OF MONGOLIAN PASTURELAND
Udval Gombosuren

PS1-61 STUDY ON EXPANSION OF NONG PRUE MUNICIPALITY BY APPLYING CHANGE DETECTION TECHNIQUE
Kanitta Wongchompoo

PS1-62 NATURE RESTRATION OF MANGROVE ECOSYSTEM IN VIETNAM USING REMOTE SENSING
Satoshi Kameyama

Other Related Topics

PS1-63 GEO-BASED IMAGE PROCESSING ON MOBILE CLOUD COMPUTING ENVIRONMENT
Sanggoo Kang

PS1-64 DESIGN AND IMPLEMENTATION OF WEBGL-BASED MOBILE SYSTEM FOR 3D GEO-IMAGE FUSION
Kwangseob Kim

PS1-65 ASSESSING THAICHOTE SATELLITE DATA IN SUPPORT OF MAPPING RUBBER TREE PLANTATION IN NORTHEAST THAILAND
Wasana Putklang

PS1-66 THE STUDY OF THE RELATIONSHIP OF ENVIRONMENTAL FACTORS AFFECTING LANDUSE CHANGE AT LOWER SONGKRAM RIVER BASIN
Chat Chanthaluecha

Photogrammetry and Surveying

PS1-67 3D MODEL RECONSTRUCTION AND ACCURACY ASSESSMENT: A CASE STUDY ON PHOTOSYNTH
Jin-Tsong Hwang

PS1-68 PROCEDURE OF QUALITATIVE SATELLITE IMAGES PRODUCTION IN SUPPORTING ALTERNATIVE DEVELOPMENT PROJECT
Chuleerat Nithiphattharanon

PS1-69 THE USE OF UNMANNED AERIAL VEHICLE TO SURVEY AND MONITOR THE SITUATION OF NARCOTIC CROPS IN THAILAND
Apichart Chaiwan

PS1-70 COMBINING KALMAN FILTERING AND VISION-BASED TRAJECTORY ESTIMATION
Huan Chang

Sensor and Platform

PS1-71 CREATING HIGH-PERFORMANCE/LOW-COST AMBIENT SENSOR CLOUD SYSTEM USING OPEN-FS (OPEN FIELD SERVER) AND WEARABLE SYSTEM
Shinji Kawakura

PS1-72 ADVANCED SMALL SATELLITE CONSTELLATIONS FOR EARTH OBSERVATION SERVICES
Pingping Yi

PS1-73 UAV DEVELOPMENT AND APPLICATION IN AN AERIAL SURVEY OF KMUTT\'S RATCHABURI CAMPUS
Annop Ruangwiset

PS1-74 DEVELOPMENT OF NOAA SATELLITES GROUND STATION: A REDUNDANCY SYSTEM
Nawattakorn Kaikaew

PS1-75 JOINING OF MMS AND ALS DATA WITH ORTHOPHOTO; A CASE PROJECT: HIGHWAY DEFORMATION DETECTION AND VISUALIZATION
Karel Pavelka

PS1-76 USING OF UAV FOR PHOTOGRAMMETRY AND THERMAL IMAGING
Karel Pavelka

PS1-77 PHOTO ORIENTATION BY CONTROL PHOTOS
Jen-Jer Jaw

Wednesday, November 28
13:30-14:30

Room: Corridor of Convention C
Session: PS2

Algorithm And Image Processing

PS2-01 STUDY ON RED-TIDE DETECTION USING MODIS/AQUA DATA
Seung-Yeol Oh

PS2-02 A STUDY ON MONITORING TECHNIQUES FOR GRASP VARIATION OF BEACH LITTER
Seon Woong Jang

PS2-03 FISHING SITE IDENTIFICATION SYSTEM (FSI)USING REMOTE SENSING AND GIS
Muhammad Fuad Ahmad

PS2-04 CREATION OF 1:50000 TOPOGRAPHICAL DATA BASE USING ALOS (2.5M RESOLUTION) SATELLITE DATA
Uduwalage Samarasena

PS2-05 A SELECTION OF APPROPRIATE MODEL FOR TOPOGRAPHIC CORRECTION IN VIETNAM'S MOUNTAINOUS TERRAIN BY USING SPOT-5 SATELLITE IMAGERIES
Luong Ke

PS2-06 IDENTIFYING PORITES FROM BATHYMETRIC LIDAR POINT CLOUD AND AERIAL IMAGE
Peter Shih

PS2-07 A COMPARISON OF AIRBORNE MULTI-RETURN DATA AND WAVEFORM DATA FOR DEM GENERATION IN A FOREST AREA
Cheng-Kai Wang

PS2-08 STRIP ADJUSTMENT OF AIRBORNE LIDAR DATA USING GROUND CONTROL POINTS
Kuan-Tsung Chang

PS2-09 AUTOMATIC DETECTION AND TRACKING OF MOTORCYCLES AND CARS FROM THE MIXED TRAFFIC FLOW
Hiromasa Kubo

PS2-10 CHANGES OF POLARIMETRIC SCATTERING CHARACTERISTECS OF ALOS PALSAR CAUSED BY VOLCANIC ASH FALL DETECTED BY THE UNSUPERVISED WISHART CLASSIFIER
Hiroshi Ohkura

PS2-11 BUILDING FACADE RECONSTRUCTION USING CITYGML LOD2 BUILDING MODEL AND CLOSE RANGE IMAGES
Tee-Ann Teo

PS2-12 RADIOMATRIC CALIBRATION OF MULTI-SPECTRAL FILTER SENSOR
Jyun-yi Lai

PS2-13 A METHOD OF BANDS SELECTION BASED OF INDEPENDANT COMPONENT ANALYSIS APPLIED TO REMOTE SENSING HYPERSPECTRAL IMAGES
Youcef Smara

PS2-14 TURBO FILTER APPLIED TO THE POLARIMETRIC RADAR SAR IMAGES
Youcef Smara

Disaster

PS2-15 EARTHQUAKE-INDUCED BUILDING DAMAGE ESTIMATION USING ALOS/PALSAR OBSERVING THE 2007 PERU EARTHQUAKE
Masashi Matsuoka

PS2-16 DISTINCTION OF THE LIQUEFACTION IN SATELLITE IMAGE
Tatsuya Ishikawa

PS2-17 DYNAMIC ORIGIN-DESTINATION AND FLOW ANALYSIS OF THE DISASTER IMPACT ZONE
Teerayut Horanont

PS2-18 ANALYSES FOR SOIL SALINITY AT STRAWBERRY FARM BY THE TSUNAMI OF 2011 EARTHQUAKE OFF THE PACIFIC COAST OF TOHOKU USING MULTITEMPORAL TERRASAR-X DATA
Genya Saito

PS2-19 THE ONLINE SUPPORTING SYSTEM FLOOD WARNING FOR VU GIA WATERSHED, QUANG NAM PROVINCE, VIETNAM
Loi Nguyen

PS2-20 DETECTION OF FLOODED AREAS FOLLOWING THE 2011 THAILAND FLOODS USING ASTER IMAGES
Jun Shimakage

Education and Outreach

PS2-21 DEVELOPMENT OF TECHNOLOGY EDUCATION USING INTERFEROMETRIC SAR PROCESSING
Yosuke Ito

PS2-22 REMOTE SENSING EDUCATION THROUGH AERIAL PHOTOS AND SATELLITE IMAGES OF UNDERMINED AREAS PROCESSING
Tomas Penaz

Environmental Science

PS2-23 ANALYZING OCEANIC EDDY OFF SOUTHWESTERN TAIWAN
Cheng Yu-Hsin

PS2-24 RELATIONSHIP BETWEEN LAND COVER AND WATER QUALITY IN TSENG-WEN RESERVOIR WATERSHED, TAIWAN
HoneJay Chu

PS2-25 SIMULTANEOUS SCANNING LIDAR MEASUREMENT AND AIR SAMPLING USING A PERSONAL CASCADE IMPACTOR FOR TRAFFIC AEROSOL CHARACTERIZATION
Maria Cecilia Galvez

PS2-26 IDENTIFICATION OF LARGE ICEBERGS USING SATELLITE PASSIVE MICROWAVE RADIOMETER AMSR-E
Takaaki Tezuka

PS2-27 INVESTIGATION ON FLOOD IRRIGATION SYSTEM IN GASH DELTA, EAST SUDAN USING SATELLITE IMAGE
Kiyoshi Torii

PS2-28 INVESTIGATION OF GRASSLANDS BIOMASS IN MONGOLIA WITH MODIS AND ICESAT/GLAS MEASUREMENTS
Ayako Sekiyama

PS2-29 ESTIMATION OF CH4 EMISSION OF WETLAND FROM THAWING PERMAFROST IN NORTHERN COUNTRIES
Sude Suriguge

PS2-30 ASSESSMENT OF AIR POLLUTION FROM GROUND TRANSPORT BY INTEGRATING REMOTE SENSING AND SOCIO-ECONOMIC MODELING
Fujikawa Aya

PS2-31 EVALUATING THERMAL COMFORT IN CITY LIFE BY SATELLITE REMOTE SENSING AND IN-SITU MEASUREMENTS
Noriko Okamura

PS2-32 AIRSAR AND POLSAR C-BAND DATA FOR WAVE REFRACTION SIMULATION
Maged Marghany

Geographic Information Systems and Web GIS

PS2-33 AN INTEGRATED OPEN-SOURCE GIS AND OBJECT-ORIENTED PROGRAMMING APPROACH FOR RAINFALL-INDUCED LANDSLIDE RISK EVALUATION IN THE PROVINCE OF AGUSAN DEL NORTE, PHILIPPINES
Michelle Japitana

PS2-34 SPACE ALLOCATION OF URBAN FACILITIES USING CONSTRAINED VORONOI DIAGRAM
Ali Shirzadi Babakan

PS2-35 REMOTE SENSING AND GEOGRAPHIC INFORMATION SYSTEM APPLICATION FOR FLASH FLOOD LEVEL CLASSIFICATION MAPPING IN VIETNAM
Pham Nhung

PS2-36 WEBGRAMSERVER WEB BASED GIS PLANNING TOOL
Parvatham Venkatachalam

PS2-37 HIGH-PRECISION DEVELOPMENT SOLAR ENERGY RESOURCE MAP FOR DIRECT TILT INSOLATION OF KOREA PENINSULA USING SATELLITE IMAGE DATA
You-Kyung Seo

PS2-38 GEO-INFORMATICS TECHNOLOGY FOR LOCAL ADMINISTRATION, GIS CHANGWAT, THE GIS ONLINE SERVICE PLATFORM
Suwichai Yammesri

Global Navigation Satellite Systems

PS2-39 GEOMETRIC CORRECTION
Vinai Vorrawat

PS2-40 ON THE DEMONSTRATED EXPERIMENT USING LEX SIGNAL FROM QUASI-ZENITH SATELLITE IN HOKURIKU DISTRICT
Soichiro Shiraishi

Mapping

PS2-41 MEAN SEA LEVEL EXTRACTION USING MULTI-TIDAL ALOS IMAGES
Fahmi Amhar

PS2-42 DISASTER MAPPING WITH MULTI SPATIAL INFORMATION
Kulapramote Prathumchai

PS2-43 MAPPING OF THE LEVEES USING THE IMAGE SOURCES AND THE LIDAR DATA
Hyen Cheol Park

PS2-44 USING AIRBORNE GAMMA-RAY IMAGERY AND DIGITAL TERRAIN MODELING TO MAP TOP-SOIL PROPERTIES: CASE STUDY IN UPPER PASAK WATERSHED, THAILAND
Satira Udomsri

PS2-45 TIME SERIES SEA SURFACE SALINITY RETRIEVING FROM MODIS SATELLITE DATA
Maged Marghany

PS2-46 FUZZY B-SPLINE FOR AUTOMATIC DETECTION OF 3-D URBAN SLUM USING GOOGLE EARTH
Maged Marghany

PS2-47 GLOBAL RICE PADDY FIELD MAPPING BY INTEGRATING MODIS AND AMSR-S MEASUREMENTS
Hiromi Jonai

PS2-48 APPLICABILITY OF ALOS/PALSAR FULL POLARIMETRIC DATA OR WETLAND MAPPING IN SRI LANKA
Chathura Wickramasinghe

PS2-49 LARGE SCALE MAPPING FROM THEOS SATELLITE DATA
Monwika Phoosangtong

Natural Resources

PS2-50 PATTERN ANALYSIS ON THE DISPERSAL OF LEUCAENA LEUCOCEPHALA IN HENGCHUN PENINSULA USING REMOTE SENSING AND GIS
Chi-Chuan Cheng

PS2-51 SEASONAL DYNAMIC CHANGE IN SPECTRUM OF TWO INVASIVE PLANTS IN TAIWAN: MIKANIA MICRANTHA AND CHROMOLAENA ODORATA
Yi-Ta Hsieh

PS2-52 A STUDY OF THE DROUGHT IMPACT ON VEGETATION AND ITS SPATIAL VARIATION IN TAIWAN
Su-Fen Wang

PS2-53 A HAND-HELD CROP MEASURING DEVICE FOR ESTIMATING HERBAGE BIOMASS AND LAI STATUS IN AN ITALIAN RYEGRASS FIELD
Jihyun Lim

PS2-54 THE METHOD OF DECOMPOSING THE PASSIVE MICROWAVE SOIL MOISTURE USING OPTICAL INFORMATION
Anqi Wang

PS2-55 A COMPARISON OF LAI MEASUREMENT BY WAVEFORM LIDAR DATA AND MULTI-RETURN LIDAR DATA
Li-Ping Lin

PS2-56 WATERSHED BASED ABOVE GROUND BIOMASS ESTIMATING USING REMOTELY SENSED DATA IN ASIAN REGION
Chandima Subasinghe

PS2-57 DEVELOPMENT OF ESTIMATION FOR POTENTIAL SOLAR ENERGY USING DSM DATA
Myung Hee Jo

PS2-58 ASSESSMENT OF ALOS PALSAR σ^0 AND AVNIR-2 NDVI FOR FOREST CROWN CLOSURE ESTIMATING
Choen Kim

Other Related Topics

PS2-59 STATISTICAL ANALYSIS OF ANNUAL RAINFALL PATTERNS IN PENINSULAR MALAYSIA USING TRMM ALGORITHM
Tam Tze Huey

PS2-60 REMOTE SENSING TECHNIQUE FOR MONITORING OF URBAN AIR QUALITY
Ab Latif Ibrahim

PS2-61 PREDICTION OF SOIL EROSION PREDICTION USING GEOGRAPHY INFORMATION SYSTEM AND REMOTE SENSING TECHNIQUES
Ab Latif Ibrahim

PS2-62 STUDY OF SUITABLE AREAS FOR URBAN FORESTRY DEVELOPMENT USING REMOTE SENSING AND GIS
Ab Latif Ibrahim

PS2-63 SPATIO-TEMPORAL MONITORING OF URBAN HEAT ISLAND CHANGES USING SATELLITE IMAGES
Shahab Sherafati

PS2-64 PERFORMANCE OF DROUGHT MONITORING METHODS TOWARDS RICE YIELD ESTIMATION IN GREATER MEKONG SUB-REGION (GMS)
Yuji Hosoya

PS2-65 TOPIC ANALYSIS OF SCHOLAR PAPER USING EARTH OBSERVATION VOCABULARY
Masafumi Ono

PS2-66 RADIOMETRIC CHARACTERISTICS OF GEOSTATIONARY OCEAN COLOR IMAGER (GOCI) FOR LAND APPLICATIONS
Park Sung-Min

PS2-67 EXPERIMENTAL STUDY OF WAVE SET-UP ON THE MACRO-INTERTIDAL BEACH
Taerim Kim

Thursday, November 29
13:30-15:00

Room: Corridor of Convention C
Session: PS3

Algorithm and Image Processing

PS3-01 IMAGE FUSION USING THE WAVELET AND CURVELET TRANSFORMS APPLIED TO THE ALGERIAN SATELLITE ALSAT-2 IMAGES
Youcef Smara

PS3-02 INTERFEROMETRY IN PROCESSING YEAR-LONG SPACEBORNE SAR IMAGES OVER TERRAIN
Yu-Tang Huang

PS3-03 COMPARISON OF LAND USE AND LAND COVER CLASSIFICATION BETWEEN SATELLITE DATA FROM THEOS, ALOS AND LANDSAT-5 : A CASE STUDY OF SRIRACHA DISTRICT IN CHON BURI PROVINCE
Supaporn Manajitprasert

PS3-04 A BYBRID FOREST COVER CLASSIFICATION IN AGRO-FOREST ECOTONE USING LANDSAT-5 TM DATA
Chungan Li

PS3-06 INTEGRATION OF UAV WITH STRESS DETECTION LENS OVER OIL PALM PLANTATION
Addul Rashid Shariff

PS3-07 RICE MONITORING SYSTEM USING REMOTE SENSING AND GIS
Zuhairi Abdullah

Disaster

PS3-08 CHARACTERIZE THE SIZE OF SHALLOW LANDSLIDES MAPPED WITH SATELLITE IMAGES
Jin-King Liu

PS3-09 APPLICATION OF GEO-INFORMATION DATA AND REMOTE SENSING IMAGERY FOR DISASTER SURVEILLANCE IN TAIWAN
Tzu-Yin Chang

PS3-10 A STUDY ON ESTIMATION OF AREAS DAMAGED BY LANDSLIDE DUE TO HEAVY RAINFALL
Seung-Chan Yang

PS3-11 IDENTIFICATION OF FLOOD PRONE AREAS AND PREDICTION OF POTENTIAL RISKS TO POPULATION. A CASE STUDY IN SEMARANG CITY, CENTRAL JAVA PROVINCE, INDONESIA
Suriadi A B M Arsjad

PS3-12 AN INTEGRATED OPEN-SOURCE GIS AND OBJECT-ORIENTED PROGRAMMING APPROACH FOR RAINFALL-INDUCED LANDSLIDE RISK EVALUATION IN THE PROVINCE OF AGUSAN DEL NORTE
Ledan Ben Nakila

Environmental Science

PS3-13 ESTIMATION OF THE DIAMETER OF TRUNK OF TREE USING TERRESTRIAL LIDAR
Takahiro Endo

PS3-14 URBAN HEAT ISLAND OBSERVATION IN CHIANG MAI CITY
Bandid Singhachantra

PS3-15 SPECTRAL REFLECTANCE SELECTION FOR ASSESSING ORGANIC CARBON CONTENT OF CLAY SOIL IN PADDY FIELD
Sakda Homhuan

PS3-16 CONCURRENT RECONSTRUCTION OF DAILY SATELLITE-DERIVED SEA SURFACE TEMPERATURE AND CHLOROPHYLL FIELDS FOR THE SOUTH CHINA SEA
Hong-Ngu Huynh

PS3-17 REDUCTION OF ATMOSPHERIC EFFECTS IN SEA ICE CONCENTRATION ESTIMATION USING SATELLITE MICROWAVE RADIOMETERS
Tsubonuma Minami

PS3-18 USE OF REMOTE SENSING DATA TO STUDY THE ENVIRONMENTAL PROBLEMS IN THE SOUTHERN PART OF SYRIA
Mohamad Rukieh

PS3-19 REMOTE SENSING AND MAPPING OF VEGETATION COMMUNITY PATCHES AT GUDONG OIL FIELD, CHINA: A COMPARATIVE USE OF SPOT 5 AND ALOS DATA
Liu Qingsheng Liu

Natural Resources

PS3-20 APPLICATION OF GEOGRAPHIC INFORMATION SYSTEMS FOR COASTAL RESOURCES MANAGEMENT IN PHETCHABURI PROVINCE
Narong Vongpanich

PS3-21 ANALYSIS OF STRUCTURAL PATTERNS OF LINEAMENTS TO PREDICT OIL-GAS ACCUMULATION ZONES USING REMOTE PROBING AND GIS
Mikhail Vakhnin

PS3-22 GENERATION OF SOLAR RADIATION DATASET OVER MOUNTAINOUS TERRAIN USING AMEDAS AND DIGITAL ELEVATION MODEL
Yohei Yamaguchi

PS3-23 SPATIAL ECONOMIC VALUATION OF CORAL REEF USING GEOGRAPHICAL INFORMATION SYSTEM AND BENEFITS TRANSFER METHOD (CASE STUDY CORAL REEF AT KARIMUNJAWA ISLANDS CENTAL JAVA PRONVINCE)
Irmadi Nahib

PS3-24 EVALUATION OF SPATIAL IMAGE ENHANCEMENT TECHNIQUES FOR ESTIMATION OF TREE COVER IN URBAN AREA.
Shivangi Somvanshi

PS3-25 HYDROLOGICAL ANALYSIS FOR WATER RESOURCES BALANCE MAPPING OF JAVA ISLAND
Prita Bumi

PS3-26 VEGETATION MAPPING FOR THREE CROPS IN RED RIVER DELTA, VIETNAM USING MODIS DATA: HYBRID CLASSIFIER APPROACH AND UNCERTAINTY COMPUTATION
Hoa Dinh

PS3-27 GEO-INFORMATICS TECHNOLOGY FOR AGRICULTURAL DEVELOPMENT IN THAILAND
Panu Nuangjumnong

PS3-28 THE DESIGN AND REALIZATION OF FUNCTION IN YUNNAN PROVINCIAL GEOGRAPHIC INFORMATION COMMON SERVICE PLATFORM
Xiaoyan Wei

Satellite Program Sessions

Wednesday, November 28 | 9:00-10:30
Room: Convention A | Chair: Dr. Kohei Cho

Session: SP-I

SP-I-1 JAXA'S EARTH OBSERVATION SATELLITES AND ITS APPLICATIONS BY JAXA, JAPAN
Shinichi Sobue

SP-I-2 THE STATUS AND FUTURE OF FORMOSAT-2/ FORMOSAT-5 BY NSPO, TAIWAN
Michelle Chang

SP-I-3 SATELLITE REMOTE SENSING ACTIVITIES AT KARI BY KARI, KOREA
Yongseung Kim

SP-I-4 THE CHINESE SATELLITE PROGRAMS BY IRSA, CHINA
Gu Xingfa

Wednesday, November 28 | 10:50-12:10
Room: Convention A | Chair: Dr. Doan Minh Chung

Session: SP-II

SP-II-1 INDIAN SPACE PROGRAM BY ISRO, INDIA
J.S. Parihar

SP-II-2 INDONESIAN SATELLITE PROGRAM BY LAPAN, INDONESIA
LAPAN representative

SP-II-3 SATELLITE PROGRAMS OF VIETNAM BY VIETNAM ACADEMY OF SCIENCE AND TECHNOLOGY
Doan Minh Chung

SP-II-4 GISTDA VISION FOR THAILAND EARTH OBSERVATION SYSTEM (THEOS) PHASE 2 BY GISTDA, THAILAND
Anond Snidvongs

Wednesday, November 28 | 13:30-14:30
Room: Convention A | Chair: Sir Martin Sweeting

Session: SP-III

SP-III-1 SINGAPOREAN SATELLITE PROGRAM BY CRSIP, SINGAPORE
Kwoh Leong Keong

SP-III-2 SURREY SATELLITE PROGRAM BY SURREY SATELLITE TECHNOLOGY, UNITED KINGDOM
Sir Martin Sweeting

SP-III-3 DEIMOS MISSIONS BY DEIMOS SPACE S.L.U., SPAIN
DEIMOS Space S.L.U. representative

Thursday, November 29 |9:00-10:30
Room: Convention A | Chair: Dr. Darasri Dowreang

Session: SP-IV

SP-IV-1 SSC SATELLITE PROGRAM BY ESRANGE SPACE CENTER, SWEDEN
SSC representative

SP-IV-2 ASTRIUM SATELLITES AND GEO-INFORMATION SERVICES APPROACH FOR SPACE PROGRAMS AND SERVICES BY ASTRIUM, FRANCE
Astruim representative

SP-IV-3 REGARDING THE CREATION AND IMPLEMENTATION OF THE EARTH REMOTE SENSING SPACE SYSTEM IN THE REPUBLIC OF KAZAKHSTAN BY KAZAKHSTAN GARYSH SAPARY, KAZAKHSTAN
Gavyllatyp Turganbayevich Murzakulov

SP-IV-4 REMOTE SENSING IN KAZAKHSTAN BY NATIONAL CENTER OF SPACE RESEARCHES AND TECHNOLOGIES, KAZAKHSTAN
Kudysovich Absametov

Thursday, November 29 | 10:50-12:10
Room: Convention A | Chair: Samard Doungwichitrkul

Session: SP-V

SP-V-1 L-BAND SAR SATELLITE SYSTEM AND APPLICATIONS BY MITSUBISHI ELECTRIC, JAPAN
Minoru Ueda

SP-V-2 SAR DATA CHARACTERIZATION AND ENGINEERING ALGORITHMS: COSMO-SKYMED IMAGE PERFORMANCE FRONTIER, COSMO-SKYMED, ITALY
Fabrizio Impagnatiello

SP-V-3 COSMO-SKYMED: IMAGE QUALITY ACHIEVEMENTS, COSMO-SKYMED, ITALY
Manfredi Porfilio

SP-V-4 TOTAL SOLUTION SERVICES AND PARTNERSHIP WITH GISTDA BY GISTDA, THAILAND
Samard Doungwichitrkul

Thursday, November 29 | 13:30-15:00
Room: Convention A | Chair: Samard Doungwichitrkul

Session: SP-VI

SP-VI-1 THE ROLE OF INTERNATIONAL CO-OPERATION FOR NATIONAL MAPPING ORGANIZATIONS, DIGITALGLOBE
Abhay Mittal

SP-VI-2 PROVISIONING OF A NATIONWIDE DIGITAL ELEVATION MODEL , DIGITALGLOBE
Abhineet Jain

SP-VI-3 THE EVOLUTION AND REVOLUTION IN EARTH OBSERVATION SATELLITES INDUSTRY, DIGITALGLOBE
Kumar Navulur

SP-VI-4 KSAT SATELLITE PROGRAM, KONGSBERG SATELLITE SERVICES, NORWAY
KSAT representative

Thursday, November 29 | 15:20-17:40
Room: Convention A | Chair: Samard Doungwichitrkul

Session: SP-VII

SP-VII-1 NOVASAR - A NOVEL, LOW COST, MEDIUM RESOLUTION SPACEBORNE SAR SYSTEM FOR MARITIME, FORESTRY AND FLOOD MONITORING
Sir Martin Sweeting

SP-VII-2 CAPACITY BUILDING, EDUCATION AND TRAINING IN SPACE TECHNOLOGY: EXPERIENCES, CHALLENGES AND BENEFITS
Ben Stern

RESTEC

At the heart of the remote sensing industry

For the last 35 years since its foundation, RESTEC has been receiving and processing data acquired by both domestic and foreign earth-observation satellites and providing those data to researchers and operational users under the contract with Japan Aerospace Exploration Agency (JAXA) and other related organizations. In parallel with those activities RESTEC has been conducting R&D of remote sensing technologies under the contract with pertinent agencies as well as independently and endeavoring to disseminate the achievement of those R&D.

RESTEC, as the core organization of satellite remote sensing in Japan, aspires to build remote sensing technologies as a social infrastructure, through providing policy makers, researchers and other satellite data users with remote sensing solutions by collecting, archiving, processing and analyzing remote sensing data required by the users.

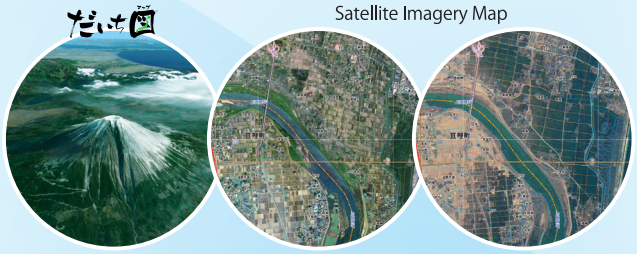
Based on those experiences and proprietary knowledge it has acquired in the fields of satellite operations, analysis of remote sensing data, value added services and remote sensing trainings, RESTEC intends to expand its businesses in the new area such as providing remote sensing solutions not alone in domestic but international projects.

In addition, it implements basic and comprehensive R&D of remote sensing and provides both domestic and foreign personnel with training as well as promoting cooperation in many international projects from the viewpoint of public interest and welfare.

Think tank / Consulting

- Conducting consulting and research works related to the earth observation and remote sensing.
- Assessment and analysis of remote sensing needs in emerging and developing countries

Satellite Imagery Map



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Solution Businesses

- Offering value added services including consultation in remote sensing technologies.
- Providing forest information related to REDD+.
- Monitoring agricultural crop production related to food security.
- Providing Information and developing systems for sustainable management of water resource.
- Monitoring natural disasters.
- Providing geospatial information for establishing national land resources management.
- Providing information for selecting sites for renewable energy facilities.

Capacity Building

- Providing both domestic and international personnel with remote sensing training.
- Capacity building for developing countries including technology transfer.

Research and Development

- Conducting calibration and validation of remote sensing data, development of algorithm and software in remote sensing.
- Developing processor and observation platform.

Earth Observation

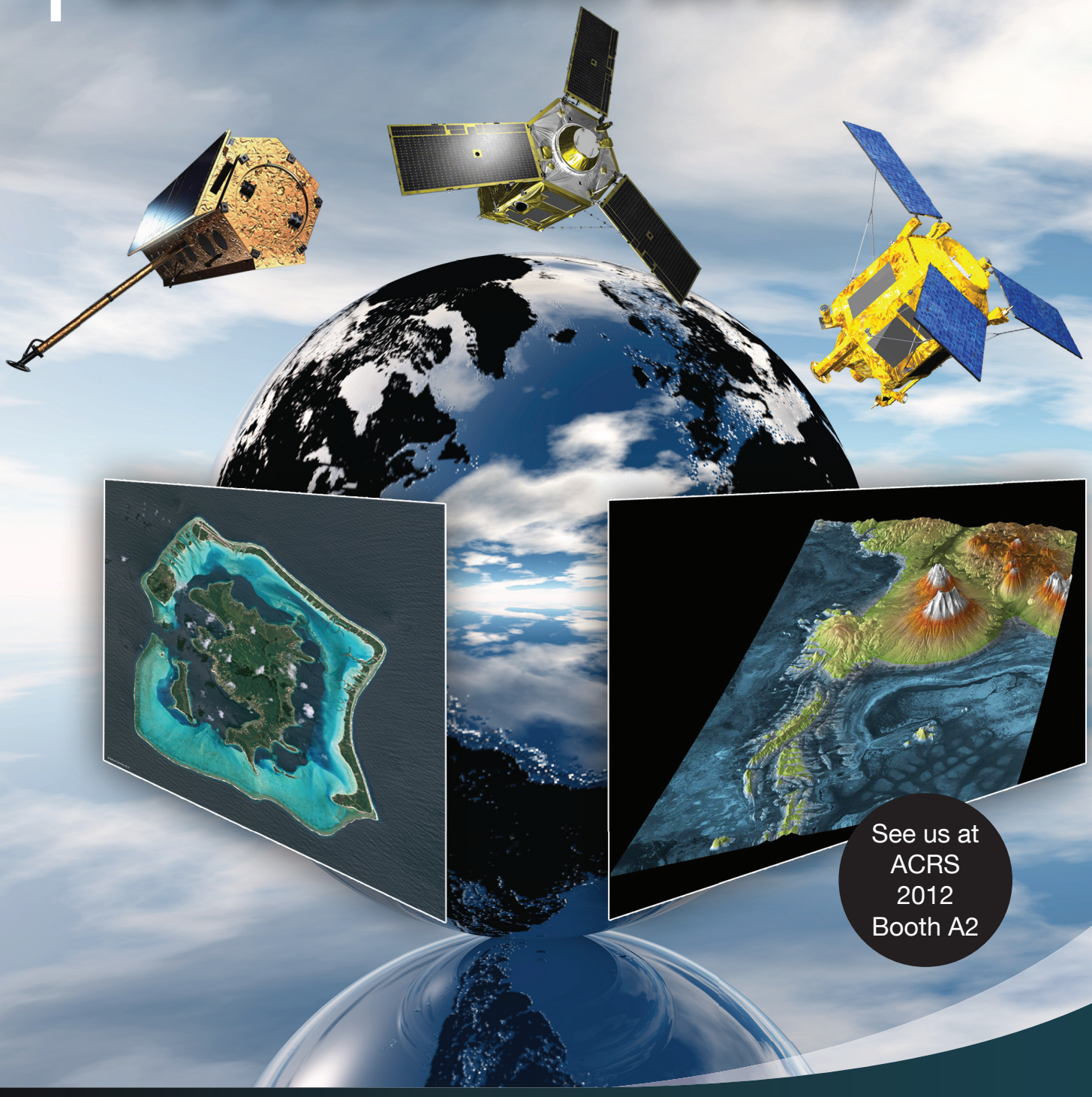
- Reception, Processing and Provision of data acquired both by domestic and foreign satellites.
- Development and Operations of ground stations

RESTEC Remote Sensing Technology Center of Japan

Phone : +81-3-6435-6700 (Key number) FAX : +81-3-5777-1580

URL : http://www.restec.or.jp/

Earth Observation Satellites & GEO-Information Services



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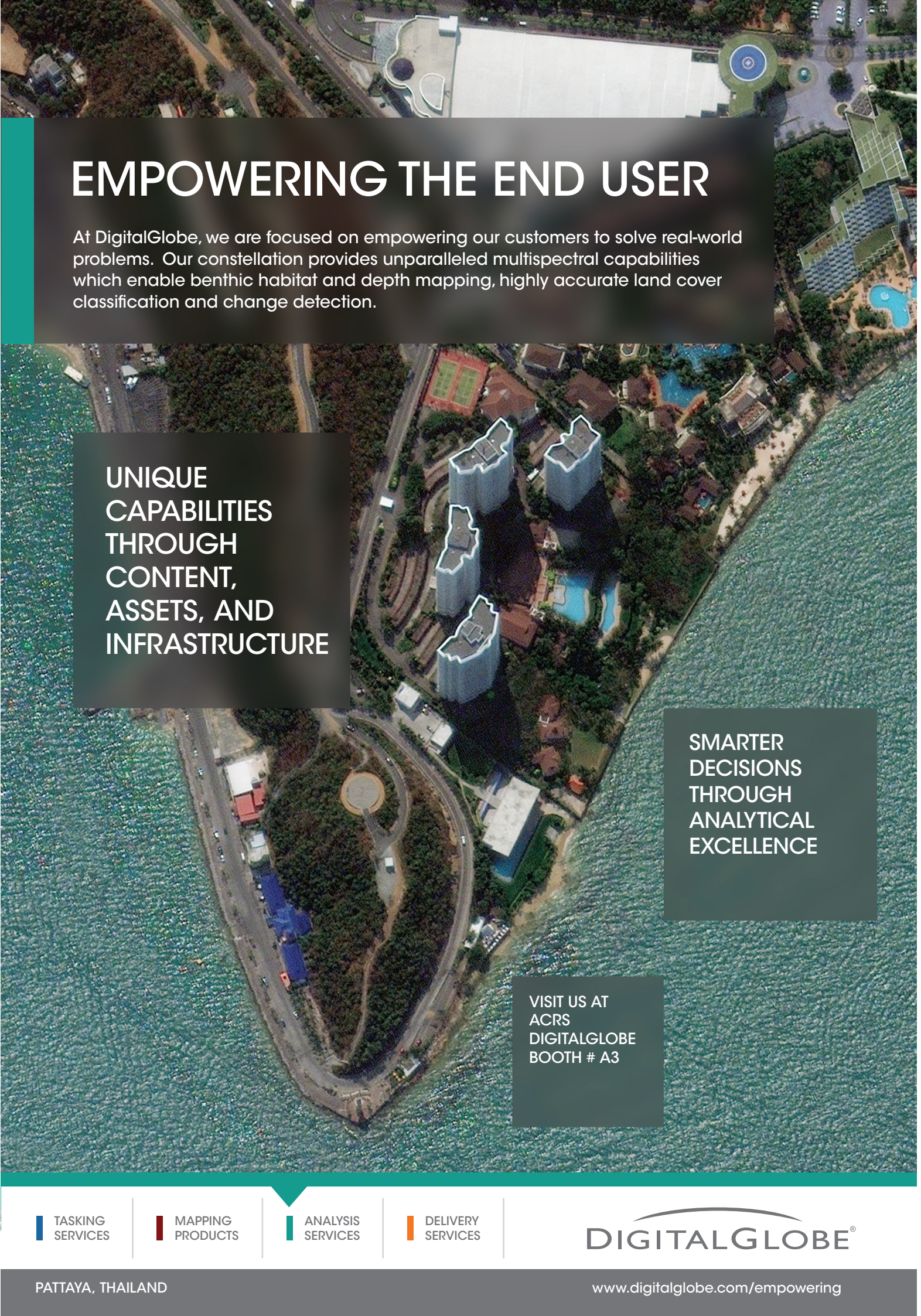

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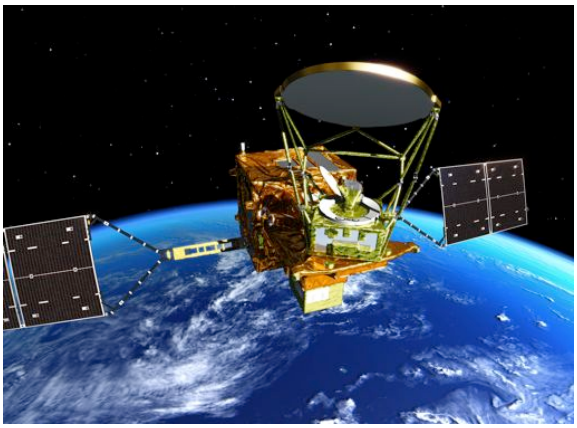
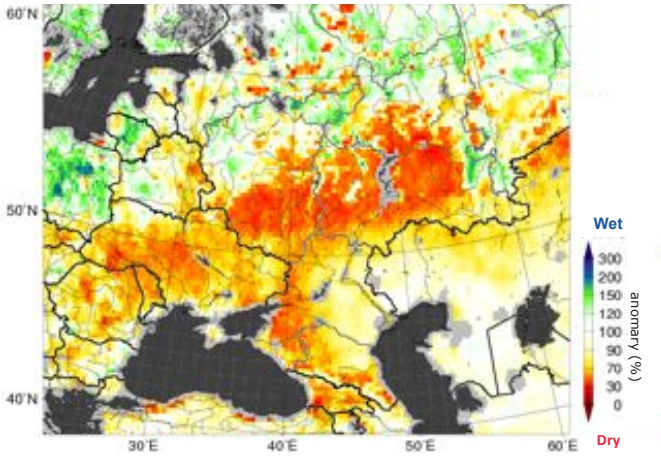
Earth Observation Research Center, Japan Aerospace Exploration Agency (EORC, JAXA)

Global change may even menace people's daily lives by generating natural disaster like as frequent storms, drought and flood. Since April 1995 when the center was established, we have been calibrating and validating the observed data and the observation instruments for ALOS, GOSAT, TRMM/PR, Aqua/AMSR-E, GCOM-W1, ALOS-2, ALOS-3, GCOM-C1, GPM/DPR, EarthCare/CPR and foreign mission instruments, developing higher-level algorithms, and demonstrating the usefulness of application services for various social beneficial areas such as integrated water resource management, climate change mitigation and adaptation, agriculture/ food security, forest management, etc. by using earth observation data.

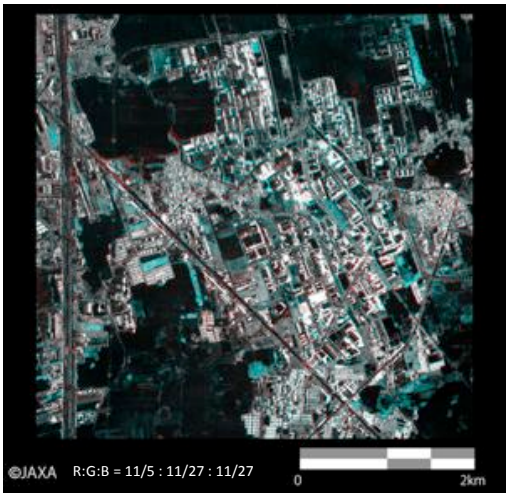


Launched on 18 May 2012

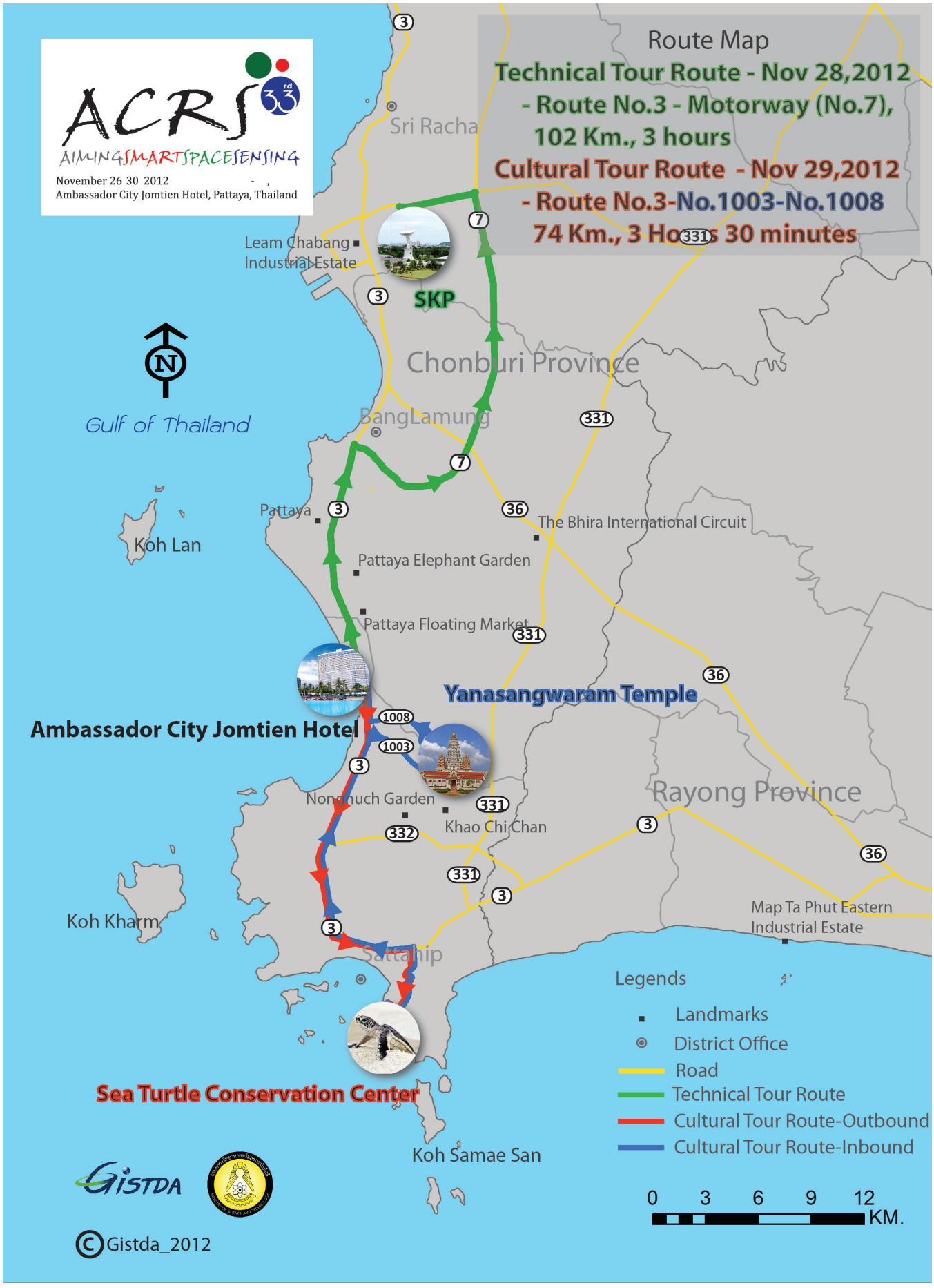
To be launched in JFY2013



Soil Moisture Anomaly over Russia
Aqua AMSR-E
Aug 1-15, 2010 (UTC)



Flood Monitoring around Rojana Industrial Park
Airborne SAR Image (Pi-SAR-L)
Nov 7, 2011 (UTC)


ACRS 33rd
AIMING SMART SPACE SENSING
November 26 30 2012
Ambassador City Jomtien Hotel, Pattaya, Thailand
Route Map
Technical Tour Route - Nov 28,2012
- Route No.3 - Motorway (No.7),
102 Km., 3 hours
Cultural Tour Route - Nov 29,2012
- Route No.3-No.1003-No.1008
74 Km., 3 Hours 30 minutes
Sri Racha
Leam Chabang Industrial Estate
SKP
Chonburi Province
Gulf of Thailand
BangLamung
Pattaya
Koh Lan
Pattaya Elephant Garden
Pattaya Floating Market
The Bhira International Circuit
Yanasangwaram Temple
Ambassador City Jomtien Hotel
Nongnuch Garden
Khao Chi Chan
Rayong Province
Koh Kharm
Map Ta Phut Eastern Industrial Estate
Sattahip
Sea Turtle Conservation Center
Koh Samae San
Legends
Landmarks
District Office
Road
Technical Tour Route
Cultural Tour Route-Outbound
Cultural Tour Route-Inbound
0 3 6 9 12 KM.
GISTDA
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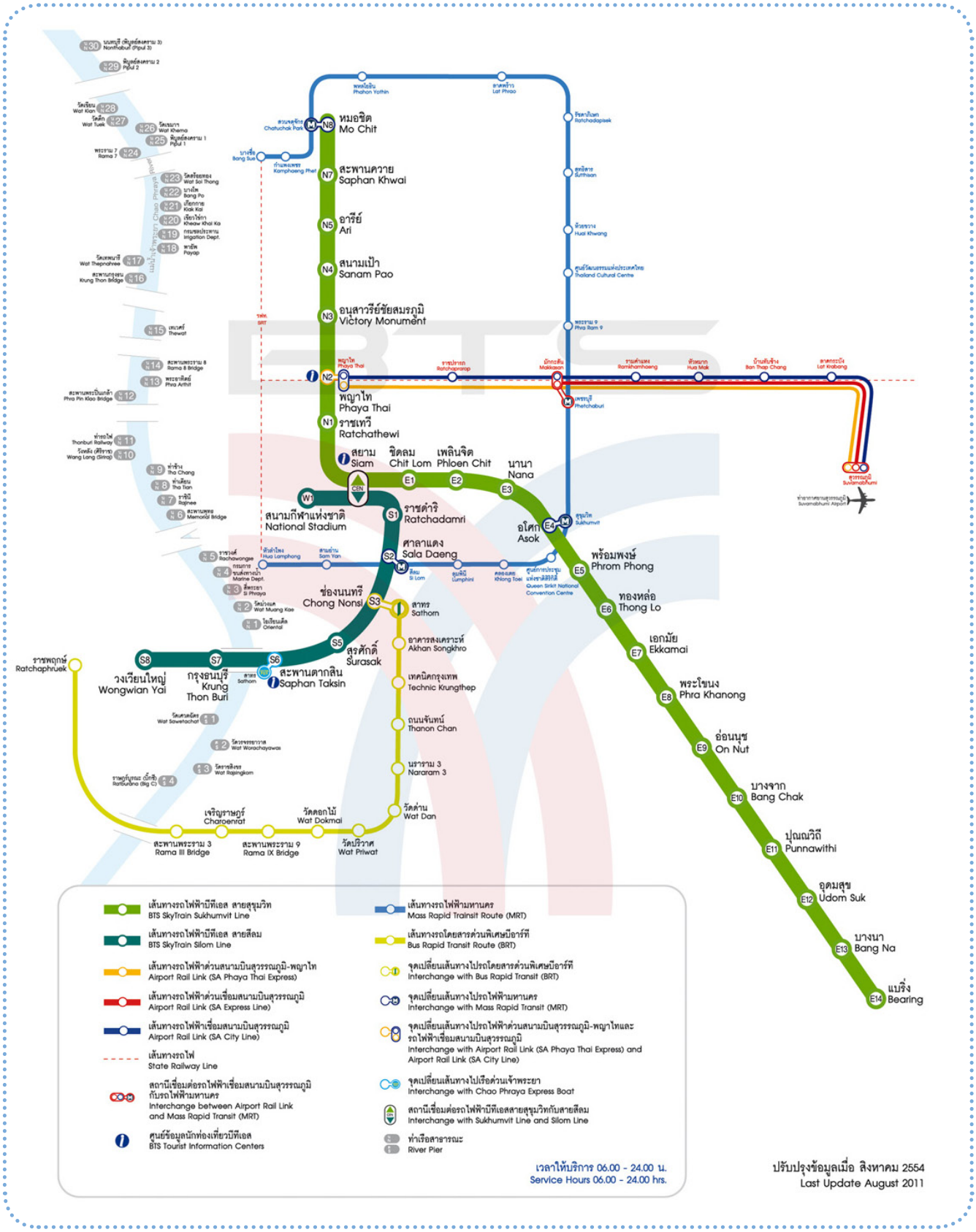
BTS Routes Map

Source: www.bts.co.th



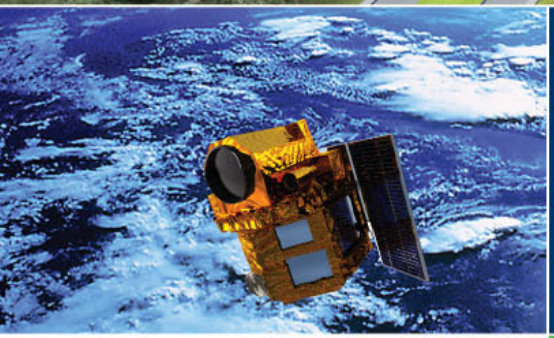
MRT Routes Map

Source: www.bangkokmetro.co.th

For more information please contact Customer Relations Center Tel : 0 2624 5200 or www.bangkokmetro.co.th

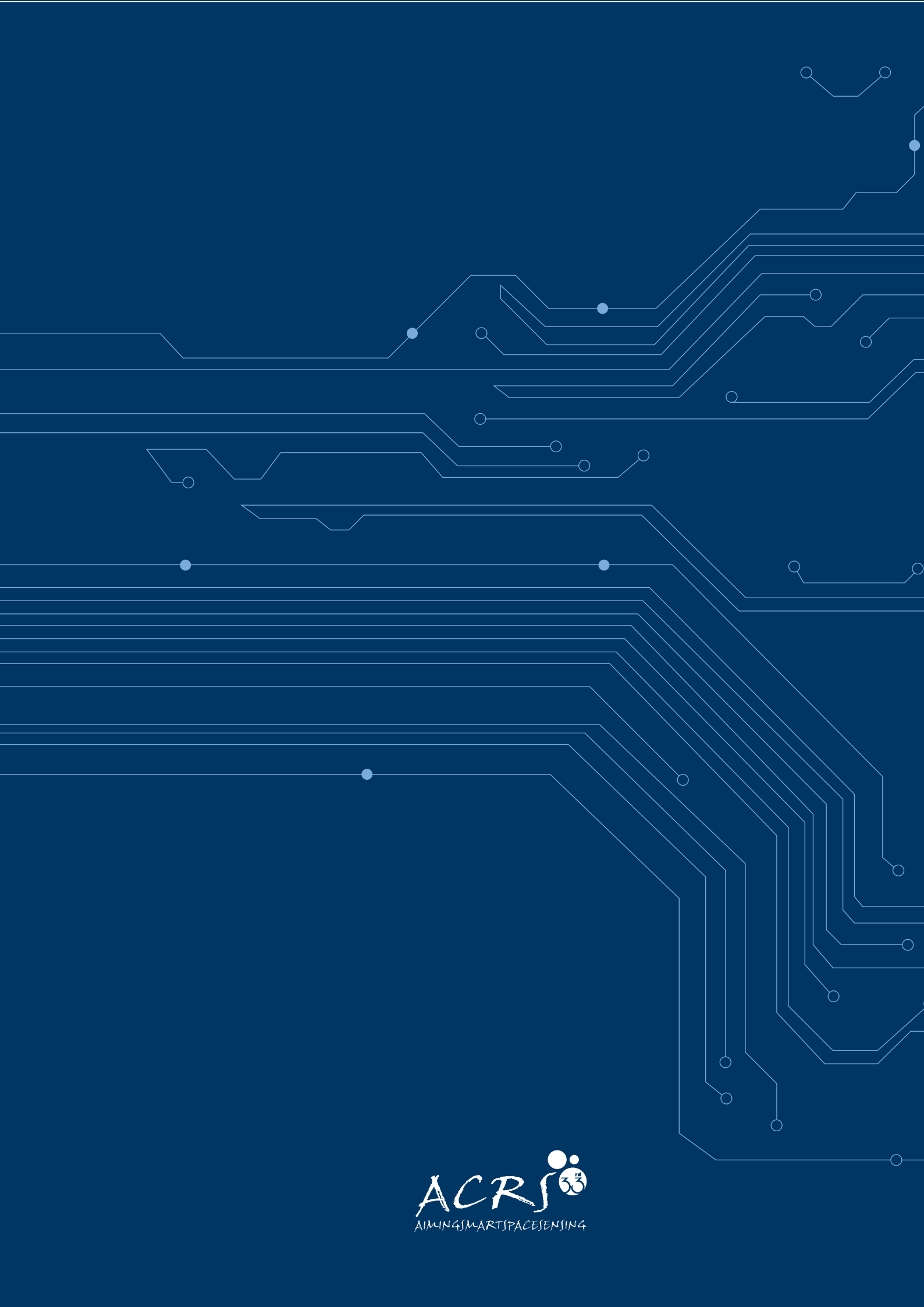
SPACE KRENOVATION PARK

"GISTDA: Delivering Values from Space", new GISTDA's vision has been deployed. To achieve this vision, 2 significant missions are planned. One is to develop Thailand's second earth observation system (Thaichote-2) to ensure data continuity as well as to optimize the utilization of Thaichote. Parallel to the development of Thaichote-2, the second mission is to establish the Space Kreanovation Park (SKP) where creativity and innovation comes together by 2013. GISTDA aims to expand Thaichote Ground Control Station at Siracha district, Chonburi province as an epicenter of SKP for Space & GIS operations, R&D, and knowledge transfer. With its strategic location close to the industrial area on the eastern seaboard of Thailand, it shall bridge the gap among GISTDA, the universities and the industry firms through co-operative R&D, human-resource and shared facilities. Thus, SKP can create a unique "Space Park" with dynamic clusters that accelerate economic growth.



SPACE
KRENOVATION
PARK

DELIVERING VALUES
FROM SPACE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