

Geoinformation Forum 2008 –English Technical Session–

Data: 18 June 2008

Venue: Annexhall F202, Pacifico Yokohama

<http://www.pacifico.co.jp/english/index.html>

Organizer: Japan Association of Surveyors (JAS)

<http://www.jsurvey.jp/eng.htm>

09:05–09:10

Opening

09:10–:10:00

Session 1: Laser Technology

Chairman: Dr. Shiro Ochi

1-1	Geo08-27	Utilization of Laser Scanner Data in Archaeological Investigation for Ancient Burial Mounds	Tsutomu KAKIUCHI, Hirofumi Chikatsu	AERO ASAHI CORP	Japan
1-2	Geo08-05	Echo-digitizing terrestrial laser scanning with predetection averaging and full waveform analysis	Nikolaus Studnicka, Martin Pfennigbauer	RIEGL Laser Measurement Systems	Austria
1-3	Geo08-10	Reconstruction of Tree Structure from LiDAR data	Akira Kato	Univ of Washington	USA
1-4	Geo08-20	Maximizing ROI	David Collison	Optech Incorporated	Canada

10:00–:10:50

Session 2: DSM and DEM

Chairman: Dr. Shiro Ochi

2-1	Geo08-17	A Study on Efficient Topography Classification of High Resolution Satellite Image	Choi Joon Seog, Joo Young Eun, Song Seung Ho	Chung Nam University	Korea
2-2	Geo08-23	An Accuracy Assessment of DSMS and Orthoimages Derived from ALOS/PRISM and Their Availability in Forestry	Yasuteru Imai	Kokusai Kogyo	Japan
2-3	Geo08-28	Visualization of Road Slope Aspect for Fixed Property Appraisal of Lands Using DEM	Takuya SAKAI, Hirofumi Chikatsu	AERO ASAHI CORP	Japan
2-4	Geo08-09	Factors Affecting Remotely Sensed Signatures of Surface Waters : LAB and Field Experiments	Asif M. Bhatti, Masataka Takagi and Seigo Nasu	Kochi University of Technology	Japan

10:50–12:00

Session 3: Applications of Remote Sensing and GIS

Chairman: Dr. Shiro Ochi

3-1	Geo08-04	Urban land cover mapping and vegetation estimation using eCognition object-based image analysis in Sylhet city from high resolution satellite image	Mst. Farida Perveen, Ryota Nagasawa	Tottori University	Japan
3-2	Geo08-11	Methods to Survey on the Status of Use of Territory in North Korea	Ho-sang Sakong	Korea Research Institute for Human Settlements (KRIHS)	Korea
3-3	Geo08-19	The spatial pattern analysis of housing price in Seoul using GIS and spatial statistics	Changwan Seo, Yu-Ri Park, June-Hwan Koh, Yun-Soo Choi	University of Seoul	Korea

3-4	Geo08-25	The Digital Field Science Center of Tohoku University Using GIS and Remote Sensing	Genya Saito	Tohoku University	Japan
3-5	Geo08-12	Comparison of individual crowns among species in Japanese conifer plantations using airborne data for leaf-on and leaf-off conditions	Masato Katoh	Shinshu University	Japan
3-6	Geo08-33	A Suggestion Mapping Technique of User' s participation	Tae-Woo Kim	Pukyong National University	Korea
12:00-13:00 Lunch					
13:00-14:40 Session 3: Applications of Remote Sensing and GIS (continue)					
Chairman: Mr. Kyaw Sann Oo					
3-7	Geo08-15	Analysis of seasonal and interannual vegetations patterns of the agro-pastoral zones in Guidimakha – Southern Mauritania using MODIS and AVHRR	A.O. Cherif Ahmed1, R. Nagasawa2, Mst F. Perveen11 and K. Hattori2	Tottori University	Japan
3-8	Geo08-16	The Development of High Resolution Images based on River Management System	Hyun-Cheol Park, Myung-Hee Jo	Kyungil University	Korea
3-9	Geo08-18	Mapping of water resource based on water balance model of drainage basins	Haruki NUMAJIRI	Japan Association of Surveyors	Japan
3-10	Geo08-29	GIS Based System for Integrating Water Quality Modelling Between River and Coastal Area	Cholyoung Lee, Kyeheun Kim, Eunji Park	Inha University	Korea
3-11	Geo08-30	Development of Web-GIS based Real-time Damage Investigation System	Taehoon Kim, Kyeheun Kim	Inha University	Korea
3-12	Geo08-31	Seasonal Pattern of Net Ecosystem Productivity in Deciduous Broadleaf Forestry by Spatial 3-PG Model	Supannika Potitthep, Takahiro Endo, Yoshifumi Yasuoka	Univ. of Tokyo	Japan
3-13	Geo08-32	Demonstrating the Propriety of the Location for crime by GIS in Korea	Cho-Hee Hwang, Tae-Woo Kim, Yong-Cheol Suh	Pukyong National University	Korea
3-14	Geo08-34	Establishment of Real Time GIS for Spatial Information Society and Local Government	Mitoshi Moriya, Sayaka Takeuchi, Masaaki Shikada ,Sota Shimano	Kanazawa Institute of Technology	Japan
14:40-15:40 Session 4: Image Processing					
Chairman: Dr. Shiro Ochi					
4-1	Geo08-06	Error Propagation Depending on Transformation Model in Satellite Image Registration	Kyaw Sann OO, Masataka Takagi	Kochi University of Technology	Japan
4-2	Geo08-08	A comparison of neighboring definition methods for spatial pattern analysis	Jae-Moon Park, Hyun-Woo Choi, Hong-Joo Yoon	Pukyong National Univ.	Korea
4-3	Geo08-07	Pan-sharpen Image generation using ALOS PRISM and AVNIR2	Mitsuhiro Kojima	Kochi University of Technology	Japan

4-4	Geo08-22	New Visualization Method for Three Dimensional Data	Tatsuro Chiba, Shin-ichi KANETA, Yusuke Suzuki	Asia Air Survey	Japan
4-5	Geo08-24	Image matching of different Spaceborne and Aerial Resolutions	Fang Guan, Lin Zhu, H. Shimamura, K. Tachibana, H. Umakawa	PASCO Corporation	Japan
15:40-15:50 Coffee Break					
15:50-16:40 Session 5: Microwave Remote Sensing					
Chairman: Mr. Kyaw Sann Oo					
5-1	Geo08-13	Appraisal of TerraSAR-X image for objects identification	I. Shibayama, N. Yamane, S. Takagishi, I. Sasagawa, J. Saito, T. Nonaka and M. M. Rahm	PASCO Corporation	Japan
5-2	Geo08-01	Development of High Precision Circularly Polarized Synthetic Aperture Radar onboard Microsatellite	M. Baharuddin, J. T. Sri Sumantyo	Chiba University	Japan
5-3	Geo08-02	Development of Circularly Polarized Synthetic Aperture Radar (CP-SAR) for Microsatellite onboard Sensor	R.A Prilando, M. Baharuddin, J. T. Sri Sumantyo	Chiba University	Japan
5-4	Geo08-03	Synthetic Aperture Radar (SAR) Images for Monitoring of Urban Growth	M. Mahmudur Rahman, Josaphat Tetuko Sri Sumantyo	Chiba University	Japan
16:40-17:30 Session 6: Digital Photogrammetry					
Chairman: Mr. Kyaw Sann Oo					
6-1	Geo08-14	3D Modeling for Small Cultural Heritages using Macro Lenses	Hideharu YANAGI, Yuichi Honma, Hirofumi Chikatsu	Japan Association of Surveyors	Japan
6-2	Geo08-21	An Implementation of Stereoscopic Measurement System Over Network	Hideki Nonaka	Asia Air Survey Co.,Ltd.	Japan
6-3	Geo08-26	Orientation of Medium Format CCD Imagery Using Airborne Laser Scanner Data	Kazuya Nakano, Hirofumi Chikatsu	AERO ASAHI CORPORATION	Japan
6-4	Geo08-35	Development of Convenient 3D Measurement Using Consumer Grade Digital Camera: The 3Division Examples	Misato Iwamoto, Hirofumi Chikatsu	Tokyo Denki University	Japan