

# The 13th CEReS International Symposium on Remote Sensing "Disaster Monitoring and Mitigation in Asia"

29–30 October 2007, University Convention Hall (Keyaki Kaikan), Chiba University, Chiba, Japan

## **Final Program**

### **October 29, 2007**

09:30 - 10:00 Registration (1F Lobby)

10:05 – 10:15 Opening ceremony (3F Reception Hall) Moderator : Josaphat Tetuko Sri Sumantyo

10:05 - 10:10 Prof. Fumihiko Nishio, Director CEReS

10:10 - 10:15 Prof. Ryutaro Tateishi, General Chairman

10:15 - 12:15 Oral Session 1 (3F Reception Hall) Moderator : Ketut Wikantika

10:15 - 10:50 004IS Invited : Chung Boon Kuan, Remote Sensing for Disaster Monitoring and Mitigation in Malaysia

10:50 - 11:25 003IS Invited : Fuan Tsai and L.C. Chen, Long-Term Landcover Monitoring and Disaster Assessment in ShiMen Reservoir Watershed Using Satellite Images

11:25 - 11:50 001O Ashar Muda Lubis and Nobuhiro Isezaki, Measuring land displacement in Boso Peninsula Japan by Differential Interferometry SAR Technique

11:50 - 12:15 002O Bannu, Josaphat Tetuko Sri Sumantyo, and Hiroaki Kuze, Study of relationship between ENSO/IODM and NDVI in western Pacific regions

12:15 - 12:25 Memorial photo (3F Reception Hall)

12:25 - 13:30 Lunch

13:30 - 15:20 Oral Session 2 (3F Reception Hall) Moderator : Akihiko Kondoh

13:30 - 14:05 001IS Invited : Eleonora Runtunuwu, Using Remote Sensing to Monitor Floods in Indonesia

14:05 - 14:30 003O Darmawan S., Wikantika K., Hirano A., Uchida S., and Hadi F., Estimation and Evaluation Soil Erosion in Catchments Area using Multitemporal Spatial Data

14:30 - 14:55 004O Minoru Urai, ASTER time series image database dedicated to volcanoes

14:55 - 15:20 005O Takashi Shibayama, Disaster information providing system using multi-platform remote sensing technology

15:30 - 17:00 Poster Session 1 001P~011P (core time)(3F Medium Meeting Room)

17:05 - 19:00 Welcome party (3F Reception Hall)

### **October 30, 2007**

10:00 - 12:00 Oral Session 3 (3F Reception Hall) Moderator : Katsumi Hattori

10:00 - 10:35 002IS Invited : Wikantika, K., I. Pratama, A. Riqqi, F. Hadi, and I. Syabri, Urban sprawl phenomenon detection using spectral mixture analysis from multitemporal Landsat satellite images: A case study in Bandung Basin, Indonesia

10:35 - 11:10 005IS Invited : Katsumi Hattori, Seismo-Electromagnetics and Lithosphere Weather

11:10 - 11:35 006O Kazuhiro Naoki, Jinro Ukita, Fumihiko Nishio, Masashige Nakayama, Josefino C. Comiso, and Al Gasiewski, Thin sea-ice thickness as inferred from passive microwave and in situ observations

11:35 - 12:00 007O Myint Soe, Krit Won-In, and Isao Takashima, Relation between lineament density extraction from satellite image and earthquake distribution of Taungtonelone area, Myanmar

12:00 - 13:00 Lunch

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13:00 - 14:30 Poster Session 2 012P~022P (core time)(3F Medium Meeting Room)

14:35 - 16:00 Oral Session 4 (3F Reception Hall) Moderator : Atsushi Higuchi

14:35 - 15:10 006IS Invited : Fumio Yamazaki, Wen Liu, and T. Thuy Vu, Detection of Speed of Moving Objects from Digital Aerial Camera and QuickBird Sensors

15:10 - 15:35 008O Alimujiang Kasimu and Ryutaro Tateishi, Validation of urban boundaries derived from Global gridded population density data, MODIS and nighttime satellite imagery

15:35 - 16:00 009O Ippei Harada, Masashi Miyazaki, Daisuke Kataoka, Toshiaki Ichinose, and Hiroaki Kuze, Measurement of NO<sub>2</sub> and aerosol in the atmospheric pollution using differential optical absorption spectroscopy (DOAS) with an obstruction flashlight

16:05 - 16:15 Closing ceremony (3F Reception Hall)

## Poster

| October 29, 2007 Poster Session 1 |                                                                |                                                                                                                                                                |
|-----------------------------------|----------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Poster #                          | Author(s)                                                      | Title                                                                                                                                                          |
| 001P                              | Rizatus Shofiyati and Dwi Kuncoro G.P.                         | Agricultural crop calendar changed detection by using satellite data during drought year : A Study of northern coastal area of west java province of Indonesia |
| 002P                              | M. Mahmudur Rahman and Josaphat Tetuko Sri Sumantyo            | Application of JERS-1 SAR Data for Tropical Forest Cover Mapping                                                                                               |
| 003P                              | Masayuki Takada and Takashi Inoue                              | Application of satellite remote sensing technique to wetland conservation in Hokkaido, Japan                                                                   |
| 004P                              | Nehal Soliman                                                  | Spectral discrimination of hydrothermally altered materials using ASTER data: Case Study in Un Nar area, Egypt                                                 |
| 005P                              | Youngjoo Kwak and Akihiko Kondoh                               | A study on the Mitigation of Meteorological Hazard using a Multi-factor in the Nackdong Basin                                                                  |
| 006P                              | Katsumi Ohyama, Luhur Bayuaji and Josaphat Tetuko Sri Sumantyo | Monitoring Kashiwa City using Remote Sensing Measurements                                                                                                      |
| 007P                              | Josaphat Tetuko Sri Sumantyo, M.Baharuddin, Prilando R.A       | L-Band Circularly Polarized Synthetic Radar (CP-SAR) onboard Microsatellite Development                                                                        |
| 008P                              | Wikantika, K., I. Pratama, A. Riqqi, F. Hadi1, and I. Syabri   | Urban sprawl phenomenon detection using spectral mixture analysis from multitemporal Landsat satellite images: A case study in Bandung Basin, Indonesia        |
| 009P                              | JongGeol Park and Yoshizumi Yasuda                             | Development of White Index to extract a cloud and snow for MODIS data                                                                                          |
| 010P                              | A. Shalaby and R. Tateishi                                     | Extraction of water bodies and shoreline using MODIS data                                                                                                      |
| 011P                              | B.Erdenee, Ts.Javzandulam, Thomas G.Ngigi and RyutaroTateishi  | Application of line detection method as a new approach for classifying crops; Case study in Selenge region of Mongolia                                         |

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| <b>October 30, 2007 Poster Session 2</b> |                                                                                                    |                                                                                                                                                                            |
|------------------------------------------|----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Poster #</b>                          | <b>Author(s)</b>                                                                                   | <b>Title</b>                                                                                                                                                               |
| 012P                                     | M. Mahmudur Rahman and Josaphat Tetuko Sri Sumantyo                                                | Flood Monitoring (2007) in Bangladesh Using Terra Modis Satellite Imageries                                                                                                |
| 013P                                     | Alimujiang Kasimu, T.Ishiyama, Ryutaro Tateishi                                                    | Monitoring area at risk of desertification in Xinjiang Uyghur Autonomy Region, China based on SPOT VEGETATION imagery                                                      |
| 014P                                     | Ts.Enkhzaya and R.Tateishi                                                                         | Cropland characterization of Asia using MODIS data                                                                                                                         |
| 015P                                     | Sisir Kumar Dash and Tasuku Tanaka                                                                 | Effect on ocean color after gigantic earthquake in Indonesia in recent times                                                                                               |
| 016P                                     | Ippei Harada, Masashi Miyazaki, Daisuke Kataoka, Toshiaki Ichinose, Hiroaki Kuze                   | Measurement of NO <sub>2</sub> and aerosol in the atmospheric pollution using differential optical absorption spectroscopy (DOAS) with an obstruction flashlight           |
| 017P                                     | Tomoaki Kitayama, Kazuki Nakamura, Fumihiko Nishio                                                 | Annual Variation on Ice Flow by Using Satellite Images in Shirase Glacier, Antarctica                                                                                      |
| 018P                                     | Chiharu Hongo, Kunio Takezawa, Akihiko Ito, Seishi Ninomiya, Kazuhisa Tokui and Toshiaki Takeshima | Utilization of remote sensing data for estimating damage ratio of rice crop Part6- Examination of the yield estimation model based on kinds of agricultural weather hazard |
| 019P                                     | Takemasa Otsuka, Kazuki Nakamura, Naoki Kazuhiro and Fumihiko Nishio                               | Estimating sea ice motion derived from AMSR-E data                                                                                                                         |
| 020P                                     | Akihiko Ito, Kansuke Kotake, Takashi Ishiyama, Fumihiko Nishio and Salam Jalalidin                 | A crisis of irrigation farming by saline deposit in northern edge of Tarim basin                                                                                           |
| 021P                                     | Hiroshi Yagi, Husiletu, Syuhei Okada, Masanao Hara, and Fumihiko Nishio                            | Extraction of the forest fire using DMSP/OLS nighttime imagery - Presumption of the CO <sub>2</sub> emissions by a forest fire -                                           |
| 022P                                     | Yoichi Kageyama, Yoshiaki Shoji, and Makoto Nishida                                                | Feature extraction and analysis of properties of NOAA-AVHRR data for geometric correction                                                                                  |