

IWGRS 2013

IEEE Workshop on Geoscience and Remote Sensing 2013

22 Nov, 2013, Melaka, MALAYSIA



EARTH OBSERVATION AND MONITORING THROUGH REMOTE SENSING

There is a tremendous increase of Earth observation applications due to the recent development in advanced remote sensing technologies. This workshop is aimed to provide a forum for GRSS members, researchers and students to share the recent development and advancement in geosciences and remote sensing technologies, particularly in the context of Earth observation, disaster monitoring and risk assessment.

Workshop Highlights:

Environmental and disaster monitoring, land cover classification, forest mapping, Synthetic Aperture Radar (SAR) imaging techniques and systems, Global Navigation Satellite Systems (GNSS), recent development in remote sensing, and more.

PROGRAM SCHEDULE

8:00 – 9:00 am	Registration
9:00 – 9:15 am	Welcoming Speech by Ir. Prof. Academician, Dato' Chuah Hean Teik
9:15 – 9:30 am	Overview of IEEE GRSS Malaysian Chapter
9:30 – 10:30 am	Keynote Address: An Overview of Asian Micro-satellite Programme by Professor Yukihiro Takahashi, Hokkaido University
10:30 – 11:00 am	Break
11:00 – 12:30 am	Tutorial Session: Introduction to Synthetic Aperture Radar
12:30 – 2:30 pm	Lunch
Invited Paper Session A:	
2:30 – 2:50 pm	Paper 1: Global Navigation Satellite System (GNSS) Spoofing: A Review of Growing Threats and Mitigation Steps, Dinesh Sathyamoorthy, Science and Technology Research Institute for Defense (STRIDE)
2:50 – 3:10 pm	Paper 2: L-band Dual-Polarised Dipole Array for SAR System – Preliminary Results, Gobi Vetharatnam and Ali Rashidifar, Multimedia University (MMU)

3:10 – 3:30 pm Paper 3: Support Vector Machine for Monitoring Land Cover Changes in Johor, Kasturi Devi, Universiti Teknologi Malaysia (UTM)

3:30 – 4:00 pm Break

Invited Paper Session B:

4:00 – 4:20 pm Paper 4: Detection of Public Transportation Structures from High-Resolution Satellite Images: An Object-based Approach, Aneesa B.A., Ho S.H., and Vu T.T., University of Nottingham, Malaysia Campus.

4:20 – 4:40 pm Paper 5: Mapping of Forest Tree Species using High Resolution Remotely-Sensed Data, Zulkiflee Abd Latif, Universiti Teknologi MARA (UiTM)

4:40 – 5:00 pm Paper 6: Landslide Monitoring using High Resolution Interferometry Synthetic Aperture Radar, Habibah Lateh, Universiti Sains Malaysia (USM) and Lim Tien Sze (MMU)

5:00 – 5:10 pm Closing Ceremony

Interested participant is required to register by sending an email to iwgrs2013@mmu.edu.my

Workshop dates: **November 22, 2013**

All participants to IWGRS 2013 are required to pre-register and pay the non-refundable registration fee.

Pre-registration fees (payment before October 25, 2013):

Regular participant: RM100/-

Student participant: RM50/-

Pre-registration fees (payment after October 25, 2013):

Regular participant: RM200/-

Student participant: RM100/-

The registration fee includes: the conference kit, attendance in the technical sessions, lunch and refreshments to all the participants.

Co-organizers and Sponsors



The University of Nottingham
Malaysia Campus



Updated and detailed information will be posted at <http://www.radar.com.my/iwgrs2013>