

Hands-on Course Schedule

08.00 – 08.30 am	Registration
8.30 – 9.00 am	Opening ceremony
09.00 - 10.00 am	Module 1: Theory and issues in hand with remote sensing
10.00 – 11.00 am	Module 2: Background theory to materialise remote sensing method for issues
11.00 – 11.30 am	Refreshment
11.30 - 12.30 pm	Module 3: Realisation of issues with remote sensing
12.30 - 02.00 pm	Lunch
02.00 - 04.30 pm	1) Data exploration 2) Pre-processing remote sensing data 3) Visualisation and data understanding on processed data 4) Composition data processing 5) Preparation of brief report
04.30 – 05.00 pm	Tea break and certificate presentation

Invited Speaker

Prof Dr Shinya Numata

He is a Professor in the Department of Tourism Science at Tokyo Metropolitan University, Japan. His research focuses on tropical forest ecology, urban biodiversity and its management, and conservation and management of protected areas.

Prof Gs Sr Dr Mazlan Hashim

He is a Professor and senior director of Research Institute for Sustainable Environment in Universiti Teknologi Malaysia. His research focuses on digital image processing, urban biodiversity, and environmental studies.

Gs Dr Noordiyana Hassan

She is a senior lecturer and research fellow at Geoscience and Digital Earth Centre (INSTeG), Universiti Teknologi Malaysia. Her research focuses on remote sensing, environmental studies and urban biodiversity.

For inquiry

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9th IGRSM International Conference and Exhibition on Geospatial & Remote Sensing (IGRSM 2018) Post-Conference Workshop

Hands-on: Remote Sensing Data Processing for Forest Composition Identification

Date:
26 April 2018
(Thursday)

Venue:
Dewan Seminar, Level 2, Administration Block, Faculty of Engineering, Universiti Putra Malaysia (UPM), Serdang, Selangor, Malaysia

Organized by:





Hands-on: Remote Sensing Data Processing for Forest Composition Identification: An Overview

To sustain integrity of the forest ecosystems, forest monitoring is one of the urgent issues. Remote sensing approach has advantage on this issue in terms of cost-effectiveness, ability to provide data in large areal extent and also continuous temporal observation. In particular, utilization of remote sensing data could be useful to support monitoring methods because it provides more information in spectral bands that could distinguish spectra of different tree species in the same genera. Using spectral unmixing models, relative abundance of individual species can be estimated in operational scale of forest management.

Thus, Geoscience and Digital Earth Centre (INSTeG), Faculty of Geoinformation and Real Estate collaborates with Institution of Geospatial and Remote Sensing Malaysia (IGRSM) and Universiti Putra Malaysia (UPM) are organizing this hands-on course in order to highlight the concept of remote sensing in forest management and practical way to utilize remote sensing data for identifying the tree species composition. Sample data in form of pixels and raster (imagery) will be used for hands-on exercises. Participant will experience the conceptual ideas and know how to apply remote sensing data processing at the end of this course.

Learning Outcomes

This hands-on course is held with the following special objectives, where participants will learning the following:

- Understand forest issues related to remote sensing
- Understand remote sensing data processing
- Able to prepare a report on remote sensing data processing

Attractive benefits

The participant would benefit the following from this course;

- Able to obtain free geospatial data;
- Working on real data and case study;
- Able to process remote sensing data for tree species composition identification;
- Conducted by professional speaker with experience in remote sensing data processing for forestry application;
- Interactive session with speaker through WhatsApp in 2 weeks after the course.

Course Material & Requirement

Respective participant is required to bring his/her own laptop during the course.

ENROLL NOW! PLACE IS LIMITED!

Fee:

- **RM 790** (Early bird until 2nd April 2018)
- **RM 1000**
- **RM 800 (IGRSM Member)**
- **RM 800 (IGRSM 2018 Participant)**
- **USD 300 (International)**
- Inclusive with GST, lecture material with exercises, tutorial, sample codes and data, lunch and refreshments.

All payment should be made payable to:

**BENDAHARI UNIVERSITI TEKNOLOGI MALAYSIA,
Account: 8006 0535 36
(CIMB Bank Berhad)**

On receipt of your form and full payment, we will send you a confirmation of registration.

NAME:

IC/PASSPORT NO:.....

CONTACT NO:

DESIGNATION:

ORGANIZATION:

ADDRESS:.....

EMAIL:

PAYMENT METHOD: CASH/CHEQUE/ LO

TOTAL PAYMENT (RM):

FOOD ALLERGIES: YES/NO

IF YES, PLEASE STATE:

Please send the completed form with proof of payment to:

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