

# ISPRS Technical Commission III WG III/2, 10 Joint Workshop

## Program

Day 1: 12th March, 2019

9:30 - 10:00 **Registration**

10:00 - 10:15 **Opening**

10:15 - 11:15 **Keynote Speech** Prof. Eiichi Nakakita, Kyoto University  
*"Fundamental and practical researches on generation and development of baby-rain-cell aloft in a severe storm for urban flash flood risk reduction using various types of weather radars and geostationary satellite"*

11:15 - 13:00 **Lunch Break**

13:00 - 14:40 **Session A: CalVal/Algorithm** *Chair person: Hirokazu Yamamoto*

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|-----|---|-------------------|
| A-1 | Assessment of cloud cover characteristics over calibration test sites using MODIS cloud mask products | Hirokazu Yamamoto |
| A-2 | Pixel-based and object-based terrace extraction using feed-forward deep neural network                | Do Thi Hang       |
| A-3 | Characteristics of the degree of grade in grade-added rough set for land cover classification         | Yoshie Ishii      |
| A-4 | Integration of time-series SAR images and GPS data for monitoring of 3-D land subsidence              | Junichi Susaki    |
| A-5 | Examination of the terrain effect for terrestrial albedo estimation via BRDF model parameters         | Junichi Susaki    |

14:40 - 15:10 **Coffee Break**

15:10 - 17:10 **Session B: Agriculture/Vegetation** *Chair person: Hiroyuki Wakabayashi*

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|-----|--|----------------------|
| B-1 | Analysis of relationship between vegetation distribution and land price using multitemporal data   | Kiichiro Kumagai     |
| B-2 | Study on extraction methodology of rice growth characteristics in paddy field using terrestrial laser measurement data                                     | Kenta Sakata         |
| B-3 | Flooded area extraction of rice paddy field in Indonesia using Sentinel-1 SAR data   | Hiroyuki Wakabayashi |
| B-4 | Excessive fertilizer usage drives agriculture growth but depletes water quality  | Tarun Teja Kondraju  |
| B-5 | Development of methodology for plant phenology monitoring by ground-based observation using digital camera   | Megumi Yamashita     |
| B-6 | Development of phenology based algorithm for cropland and crop type mapping with multitemporal Landsat image data - Case study in the northwest of Vietnam | Nguyen Dinh Duong    |

17:30 - **Welcome Party**

## Day 2: 13th March, 2019

- 9:30 - 10:50 **Session C: Environment/Ice/Water** *Chair person: Kohei Cho*
- C-1 Thin ice area extraction in the seasonal sea ice zones of the northern hemisphere using AMSR2 data Kohei Cho
  - C-2 Ground penetrating radar data interpretation using electromagnetic field analysis for sea ice thickness measurement Masayoshi Matsumoto
  - C-3 Chlorophyll-a estimation of lake water and coastal water using Landsat-8 and Sentinel-2A satellite images Shweta Yadav
  - C-4 Feasibility of using hyperspectral remote sensing for environmental heavy metal monitoring Mengshan Lee
- 10:50 - 11:10 **Break**
- 11:10 - 12:10 **Session D: Forestry** *Chair person: Lilik Budi Prasetyo*
- D-1 Agroforestry stand density estimation based on hemispherical photos & Landsat 8 OLI/TIRS image: A case study at Cidanau Watershed, Banten-Indonesia Lilik Budi Prasetyo
  - D-2 Mapping the spatial distribution of Colombia's forest aboveground biomass using SAR and optical data Pedro Rodríguez Veiga
  - D-3 Mapping spatial accuracy of the forest type classification in JAXA's high-resolution land use and land cover map Narumasa Tsutsumida
- 12:10 - 13:30 **Lunch Break**
- 13:30 - 14:50 **Session E: Disaster** *Chair person: Takeo Tadono*
- E-1 Summary of natural disaster responses by the advanced land observing satellite-2 (ALOS-2) Takeo Tadono
  - E-2 Using remote sensing data for calculating coastal erosion in southern Thailand Wichai Pantanahiran
  - E-3 Analyzing the impacts of land-cover change to the hydrologic and hydraulic behaviours of the Philippines' third largest river basin Jojene R. Santillan
  - E-4 Near-real time hazard monitoring and information dissemination through integration of remote sensing, GIS, numerical modelling, web applications and social media Meriam Makinano-Santillan
- 14:50 - 15:10 **Coffee Break**
- 15:10 - 16:10 **Keynote Speech** Prof. Tohru Nakashizuka, Research Institute for Humanity and Nature  
*"Climate change impacts on terrestrial ecosystems in Japan"*
- 16:10 - 16:30 **Closing**

## Day 3: 14th March, 2019

- 9:00 - 17:00 **Excursion in Uji, Kyoto**