

## Tentative Outline

### Special Thematic Issue for the journal *Recent Advances in Computer Science and Communications*

#### Title of the Thematic Issue: Information processing for space remote sensing engineering

*Guest Editors: Hang Chen, Zhengjun Liu, Camel Tanougast, Walter Blondel, Feifei Liu*

#### • Scope of the Thematic Issue:

With the rapid development of modern photography technology, the application of space remote sensing has been widely used both in commercial and military area, such as resource monitoring, weather forecasting, military target detection, etc. Space remote sensing engineering is a multidisciplinary system, which involved with space technology, spaceborne spectrometer systems, high-resolution CCD technology, data transmission system, data processing technology, etc. Recently, information processing technology for remote sensing data becomes one of the most challenging issues due to the growing size and resolution of the image data. Another challenging comes from the processing technology for multi-source data. As a branch of remote sensing technology, the space remote sensing system is a modern high-technology field developed from earth sciences, engineering, and space systems technology, which is different from the shipborne sonar remote sensing, airborne remote sensing and land based remote sensing systems.

The purpose of this special issue is to provide an international forum for scientists, engineers, and researchers all over the world to present and discuss recent advances in the field of the information processing techniques for space remote sensing. We particularly encourage submitting high quality of original previously unpublished research work.

**Keywords:** information processing, remote sensing, hyperspectral image, infrared image, SAR, sensor, Lidar, GEO.

#### Sub-topics:

The sub-topics to be covered within the issue should be provided:

- Hyperspectral remote sensing
- Infrared remote sensing
- Laser imaging
- SAR images and its application
- Space Sensor Detectors
- Atmospheric correction of space remote sensing
- Imaging through the Atmosphere
- GEO Space Station Sensor Systems
- Passive Space Spectrometer Systems
- Space Lidar Optical Systems
- Imaging through the Atmosphere
- Photogrammetry
- Data transmission and security

#### Schedule:

- ✧ Thematic issue submission deadline: 2020.07.30

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