Special Issue

Recent Advances in Multi- and Hyperspectral Image Analysis

Message from the Guest Editor

The aim of this Special Issue is to gather and present recent advances in multi- and hyperspectral image analysis. The core themes of this topic cover all steps of the data processing pipeline, from its acquisition to final analysis and understanding.

- Pre/post-processing of multi/hyperspectral images;
- Band selection from multi/hyperspectral images;
- Feature extraction and learning from multi/hyperspectral images;
- Data fusion of high-dimensional data;
- Spectral and spatial super-resolution;
- Deep learning-powered algorithms for multi/hyperspectral data analysis;
- Classification and segmentation of multi/hyperspectral images;
- Multitemporal and multisensor analysis;
- Event detection and tracking;
- Prediction from multi/hyperspectral data;
- Deployment of machine/deep learning-powered techniques for multi/hyperspectral data analysis in hardware-constrained environments;
- Robustness of deep learning-powered techniques for multi/hyperspectral data analysis;
- Concept drift in multi/hyperspectral data analysis.

Guest Editor

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Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

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