Recent Advances in Multi- and Hyperspectral Image Analysis

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Message from the Guest Editor

Dear Colleagues,

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.

Dr. Jakub Nalepa
Guest Editor

Special Issue

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Message from the Editor-in-Chief

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