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Advanced Machine Learning Approaches for Hyperspectral Data Analysis

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Deadline for manuscript submissions:

closed (31 March 2021)

Message from the Guest Editors

In this Special Issue, we welcome methodological contributions in terms of novel machine learning algorithms as well as the application of innovative techniques to relevant scenarios from hyperspectral data. We invite you to submit the most recent advancements in the following, and related, topics:

- Spectral data pre-processing
- Feature extraction and selection from high-dimensional data
- Machine learning and data mining methodologies for hyperspectral data analysis
- Deep, transfer, manifold, metric, and active learning
- Large-scale hyperspectral data analysis
- Methods for image segmentation and classification, change and target detection, multi-temporal analysis, hyperspectral unmixing
- Real-time processing
- Multi-modal data fusion between hyperspectral imagery with other data sources
- Advanced techniques for characterization of natural ecosystems, coastal systems, agricultural, or urban areas



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Special Issue



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Message from the Editor-in-Chief

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