



New Insights into Hyperspectral Image Processing Methods in Remote Sensing

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Message from the Guest Editors

Hyperspectral imaging technologies have been widely used in many remote sensing applications. While the COVID-19 pandemic has led to a slight decline of the industries of the respective applications, with the resuming of businesses, the global market for hyperspectral systems is expected to enjoy exponential growth. Hyperspectral remote sensing systems are generating increasingly more voluminous high-dimensional datasets with finer resolutions, which require more efficient methods for image processing and analysis, pattern recognition and target detection, as well as parallel and hardware implementation to support real-time applications. In this Special Issue, we solicit original contributions that provide new insights on the following topics:

- hyperspectral image fusion and registration;
- spatial/spectral/temporal analysis of hyperspectral images;
- statistical and geometric modeling of hyperspectral images;
- compressive sensing, and data compression methods for hyperspectral images;
- scene classification and object detection;
- hardware and parallel implementation methods;
- new applications of hyperspectral imaging for remote sensing.





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Message from the Editor-in-Chief

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