

Special Issue

New Insights into Hyperspectral Image Processing Methods in Remote Sensing

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.

Guest Editors

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Deadline for manuscript submissions

closed (1 May 2022)



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Message from the Editor-in-Chief

Remote Sensing is now a prominent international journal of repute in the world of remote sensing and spatial sciences, as a pioneer and pathfinder in open access format. It has highly accomplished global remote sensing scientists on the editorial board and a dedicated team of associate editors. The journal emphasizes quality and novelty and has a rigorous peer-review process. It is now one of the top remote sensing journals with a significant Impact Factor, and a goal to become the best journal in remote sensing in the coming years. I strongly recommend *Remote Sensing* for your best research publications for a fast dissemination of your research.

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