Special Issue

Advanced Super-resolution Methods in Remote Sensing

Message from the Guest Editors

High-resolution hyperspectral data in remote sensing play a crucial role in many fields, such as land surveying and weather prediction. Super-resolution image reconstruction, rooted in modeling and algorithmic advances, has attracted a large amount of research interest. The high dimensionality of hyperspectral data and various types of degradations in image generation and acquisition raise a sequence of challenges on several aspects, including excessive unknown noise and blurring artifacts. Topics of interest include but are not limited to the following:

- Spatial super-resolution;
- Temporal resolution enhancement;
- Spatiotemporal super-resolution;
- Spectral super-resolution; - Radiometric super-resolution;
- Single-frame and multi-frame resolution enhancement;
- Super-resolution from geometrically deformed remote-sensing images;
- Pansharpening of remote-sensing images;
- Fusion of multi-instrument data for enhancing its resolution.

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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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