Special Issue

Recent Advances in Deep Learning-Based High-Resolution Image Processing and Analysis

Message from the Guest Editors

This Special Issue aims to highlight the latest developments and innovations in the field of high-resolution satellite or aerial images, covering a broad spectrum of topics on deep learning-based imagery processing and analysis methods. The scope includes, but is not limited to, the following:

- Large multi-modality models for earth observation tasks.
- Generalizable deep learning methods for high-resolution image classification, object detection, and change detection.
- Transferring computer vision models for robust high-resolution image interpretation.
- Efficient deep learning architectures for large-scale high-resolution image analysis.
- Semi-supervised and unsupervised methods for image segmentation and change detection.
- Multi-source remote sensing image fusion, image registration methods.
- Remote sensing foundation models and their applications.
- Large vision-language model for remote sensing image understanding.
- Large-scale high-resolution remote sensing image datasets.
- Generative models in remote sensing.

Guest Editors

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Deadline for manuscript submissions

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Message from the Editorial Board

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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