Special Issue

Intelligent Remote Sensing: AI-Powered Techniques for Enhanced Data Analysis and Interpretation

Message from the Guest Editors

Intelligent Remote Sensing harnesses the power of Artificial Intelligence to revolutionize data analysis and interpretation in remote sensing. As remote sensing data deluge in from satellites and drones, AI techniques offer unprecedented capabilities for processing, classifying, and extracting insights from this vast trove of information. This Special Issue is highly relevant to the scope of remote sensing, as it addresses a key trend in the field: the integration of AI with remote sensing technologies. By highlighting the potential and applications of AI-driven techniques, it contributes to advancing the state of the art in remote sensing research and practice, fostering interdisciplinary collaboration and innovation. Articles may include, but are not limited to, the following topics:

- General remote sensing image processing, including object detection, classification, segmentation, anomaly detection, change detection, denoising, fusion, etc.
- Real-world application with remote sensing data, such as optical images, SAR images, multispectral/hyperspectral images, multi-source data, and so on.
- Methodology: deep learning models, traditional models, interpretable models, etc.

Guest Editors

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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.

Editor-in-Chief

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