Special Issue

Intelligent Image Analysis: Advancing Remote Sensing with Artificial Intelligence

Message from the Guest Editors

The rapid evolution of remote sensing technologies has enabled daily acquisition of massive remote sensing images (RSIs). However, the exponential expansion of RSIs in terms of volume, diversity, and complexity has fundamentally challenged the conventional image analysis methods reliant on manually crafted features and shallow machine learning architectures. Therefore, we have organized a Special Issue titled "Intelligent Image Analysis: Advancing Remote Sensing with Artificial Intelligence" in *Remote Sensing*. This Special Issue aspires to create a platform to share and discuss studies on advanced AI technology for RSI analysis. The research topics cover classification, detection, segmentation, and other image analysis tasks, and the data sources include, but are not limited to, optical, hyperspectral, and SAR. We welcome submissions relevant to intelligent RSI interpretation, remote sensing foundation models, multi-modal RSI analysis, remote sensing 3D reconstruction, open-world RSI interpretation, and other remote sensing interpretation applications with advanced AI technology.

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 peerreview 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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