

Special Issue

Deep Learning for Multi-Source Remote Sensing Image Interpretation: Exploring, Rethinking, and Limiting Breakthroughs

Message from the Guest Editors

Remote sensing image interpretation, which is pivotal for environment, resource, and target monitoring, has experienced a profound transformation with the infusion of deep learning techniques. Deep learning algorithms possess the outstanding capacity to extract intricate patterns and features from extensive remote sensing image datasets, thereby facilitating more precise and efficient interpretation than conventional approaches. This Special Issue aims to leverage the powerful feature learning and data processing capabilities of deep learning technology to explore remote sensing image interpretation in new tasks and scenarios, thus broadening application fields and guiding research directions, enabling academic achievements to better serve practical demands. Articles may address, but are not limited to, the following topics:

- Multi-source remote sensing image processing;
- Remote sensing image generation;
- Multimodal remote sensing image interpretation model;
- Target characteristic analysis;
- Radar signal processing
- New task dataset and benchmark for remote sensing image interpretation.

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.

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