



Artificial Intelligence-Driven Methods for Remote Sensing Target and Object Detection II

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Message from the Guest Editors

Although AI-driven approaches can handle the massive quantities of data acquired by remote sensors, they require many high-quality labeled samples to deal with remote sensing big data, leading to fragile results. That is, AI-driven approaches with strong feature extraction abilities have limited performance and are still far from practical demands. The main goal of this Special Issue is to address advanced topics related to remote sensing target detection and object detection. Topics of interests include but are not limited to the following:

- New AI-driven methods for remote sensing data, such as GNN, transformer, etc.;
- New remote sensing datasets, including hyperspectral, high resolution, SAR datasets, etc.;
- Machine learning techniques for remote sensing applications, such as domain adaptation, few-shot learning, manifold learning, and metric learning;
- Machine learning-based drone detection and fine-grained detection;
- Target detection, object detection, and anomaly detection;
- Data-driven applications in remote sensing;
- Technique reviews on related topics.





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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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