Special Issue

Deep Learning-Based Small-Target Detection in Remote Sensing

Message from the Guest Editors

This Special Issue aims to explore developments in deep learning-based small target detection. We encourage contributions that investigate sensor-driven enhancements, geospatial data fusion, and innovative applications of AI to detect small targets under complex observation conditions. Topics of interest include, but are not limited to:

- **Small target detection** in high-resolution optical, SAR, hyperspectral, and thermal remote sensing imagery
- **Deep learning models** tailored for small target identification in remote sensing data
- Noise reduction and contrast enhancement methods for improving target visibility
- **Multi-sensor fusion** strategies for detecting small objects in complex environments
- **Spatio-temporal modeling** of small target movement using remote sensing and AI
- **UAV**-based remote sensing for **real-time small target detection** and tracking
- **Applications** in environmental monitoring, disaster response, and maritime surveillance

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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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