

Special Issue

SAR-Based Signal Processing and Target Recognition (Second Edition)

Message from the Guest Editors

Our Special Issue (First Edition) introduced some advanced signal processing and target recognition technologies in SAR, based on learning algorithms. The Second Edition continues to welcome contributions on the related topics:

- Multi-mode/multi-dimensional SAR imaging theory and architecture;
- Three-dimensional SAR/ISAR imaging and parameter inversion;
- Sparse techniques of SAR, ISAR, and tomoSAR imaging;
- Machine learning and deep learning aided SAR/ISAR imaging;
- SAR interference and anti-interference;
- Physical model informed interpretable deep learning for SAR imaging and target recognition;
- SAR/InSAR image enhancement;
- SAR/ISAR image simulation and generation;
- Intelligent detection and recognition for SAR images;
- SAR image interpretation with knowledge guided deep learning;
- PolSAR image classification;
- SAR imaging semantic segmentation and change detection;
- SAR target characterizing;
- Real-time processing system for SAR images;
- Multi-modal remote sensing data fusion, analysis and understanding.

Guest Editors

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Prof. Dr. Gang Xu

Prof. Dr. Haipeng Wang

Deadline for manuscript submissions

closed (31 March 2025)



Remote Sensing

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CiteScore 8.6



mdpi.com/si/199784

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About the Journal

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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