

Special Issue

A Review of Computer Vision for Remote Sensing Imagery

Message from the Guest Editors

Today, an exponentially increasing amount of earth-observation data are being collected automatically, such as remote sensing data, multi-modality images, traffic streaming data, vehicle trajectories, and so on. These data include both images and video sequences of different resolutions, monitoring constantly the earth's surface, the mobility of humans, and the interactions between humans and the earth. How to make full use of these abundant earth-observation data is still an open challenge. This Special Issue aims to exploit the massive earth-observation datasets to deliver information for numerous applications such as urban planning, intelligent transportation, public safety by novel computer vision, and deep learning methods.

- Computer vision method for remote sensing
- Deep learning architecture for remote sensing
- Machine learning for remote sensing
- Classification/Detection/Segmentation
- Anomaly/novelty detection for remote sensing
- Remote sensing data analysis
- Synthetic remote sensing data generation
- Explainable deep learning for time series/image/multimedia data
- Traffic pattern analysis and intelligent transportation
- Novel applications/Metrics/Benchmark datasets

Guest Editors

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Deadline for manuscript submissions

closed (29 January 2022)



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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.

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