Special Issue

Artificial Intelligence in Nighttime Remote Sensing

Message from the Guest Editor

The Special Issue is focused on the crossroads of two complementary technologies, remote sensing and machine learning. Application of the machine learning to the remote sensing data remains a challenge because the satellite imagery is often gigabytes of size, and may contain over a dozen channels, some outside of the visible spectrum and stored in spatially referenced formats. The authors are encouraged to submit research papers on the machine learning applications in a wide scope of remote sensing problems, including, but not limited to, data quality control, image enhancement and fusion from visible, infrared and microwave bands, object detection and tracking, and change prediction and propagation forecast. To assure the scientific quality and reproducibility of the results, the authors are encouraged to follow the open source model in sharing the training data, source code and network weights as a digital supplement to their papers.

Guest Editor

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Deadline for manuscript submissions

closed (1 October 2023)

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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