Special Issue

Recent Development of Practical AI in Remote Sensing and Geoinformatics

Message from the Guest Editors

This Special Issue is presented by research groups from the George Mason University and University of Washington, having studied and experimented with AI techniques on remote sensing datasets and geospatial cyberinfrastructure to acquire insights in Earth system sciences, especially in the fields of agriculture, hydrology, and atmosphere.

This Special Issue aims to highlight contributions of AI-related research in remote sensing and geoinformatics, and illustrate the current progress and achievements, with the hopes of soliciting novel ideas and demonstrations of the practical use of AI for solving challenging scientific problems previously too difficult or even impossible to answer. We are open to manuscripts oriented towards the newest theories and methodologies of applying AI in geospatial data sciences, in environmental studies, agriculture, hydrology, atmosphere, land use and land cover, urban remote sensing, geophysical research, as well as the newest sensors and methods for remote sensing data acquisition, processing, and analysis. Both original research papers and comprehensive literature reviews with unique scientific insights are welcome.

Guest Editors

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Deadline for manuscript submissions

closed (28 February 2025)

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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.

Editor-in-Chief

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