Special Issue

Advancing Machine Learning for Remote Sensing to Enhance Spatio-Temporal Generalizability

Message from the Guest Editors

For this Special Issue, we invite the submission of articles on recent advances in machine learning for enhancing the generalizability of using remote sensing data over space and time.
The potential topics may include, but are not limited to:

- Meta-learning for model adaptation over space and time.
- Statistical machine learning for analyzing and addressing spatial and temporal data variability.
- Knowledge-guided machine learning on remote sensing for improving performance under data-scarce and out-of-distribution scenarios.
- Domain adaptation techniques for reducing distributional gaps.
- Online learning and continual learning for temporal model updates.
- Self-supervised and pre-training techniques on remote sensing.
- Enforcing fairness over space and time for machine learning models on remote sensing.
- Spatiotemporal deep learning models that are scalable to large regions.
- Remote sensing applications over large regions in agriculture, hydrology, urbanization, forestry, transportation, etc.

Guest Editors

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Deadline for manuscript submissions

closed (30 April 2024)

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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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