Special Issue

Advancement of Multi-Source Remote Sensing Data Fusion in Environmental Monitoring

Message from the Guest Editors

This Special Issue aims at advancing innovative techniques or datasets for multi-source remote sensing data fusion, covering diverse applications that could help scientists and decision-makers to understand complex Earth system processes and to better respond to global environmental and climate change. We encourage the integration of recent deep learning techniques (large pre-trained multi-modal models, domain adaptation strategies, etc.) and large-scale applications (land-cover mapping, ecosystem monitoring, urban analysis, disaster assessment, etc.). The scope includes, but is not limited to, the following:

- Multi-source remote sensing data fusion;
- Multi-source transferable or domain adaptation models;
- Multi-modal models for remote sensing tasks;
- Land-cover mapping;
- Ecosystem monitoring;
- Urban analysis;
- Crop monitoring and yield forecasting;
- Glacier and sea ice monitoring;
- Atmospheric monitoring;
- Biodiversity and ecological conservation;
- Greenhouse gas emission monitoring;
- Vegetation dynamics and the carbon cycle.

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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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