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Deep Learning for Remote Sensing and Geodata

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Deadline for manuscript submissions:
10 September 2024

Message from the Guest Editors

In the last decades, AI has evolved from classical machine learning models (Random Forest, Support Vector Machines, etc.) to deep learning (Convolutional Neural Networks, etc.) and then to foundational models. Foundational models based on self-supervised learning trained on massive heterogeneous datasets can be tuned to various downstream tasks on the backbone of the same model. While the foundational models are exposed to different types of data (multispectral, radar, LiDAR, crowdsource data), there is ongoing interest in understanding the performance and generalizability of these models for multiple applications. Of ongoing interest is the comparison of foundational models with classical deep learning models and benchmarking the accuracy and reproducibility of these modes.

We encourage submissions of original manuscripts that focus on scalable AI methodologies and benchmark dataset creation to develop foundational models and to characterize network architecture and applications based on remote sensing data.

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Editor-in-Chief

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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.

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