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Advances in Deep Learning Models for Satellite Image Analysis

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Deadline for manuscript submissions:
closed (30 June 2023)

Message from the Guest Editors

This Special Issue will publish review and research documents on advanced deep learning models, including but not limited to innovative CNN, graph, and vision transformer-based deep learning techniques for remote sensing applications, focusing on tasks that discuss the field's issues.

Potential topics of interest are listed below:

- Deep learning-based remote sensing image processing (image classification, object detection, semantic segmentation, pan-sharpening, image enhancement, and change detection)
- Unsupervised, semi-supervised, self-supervised, graph, adversarial, active, and transfer learning for dealing with scarcity and/or low-quality of data sets.
- Knowledge acquisition of deep learning architectures and algorithms for remote sensing images
- Novel benchmark datasets for remote sensing image interpretation
- Vision Transformer (ViT) in remote sensing

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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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