Special Issue

Satellite Remote Sensing with Artificial Intelligence

Message from the Guest Editors

Artificial intelligence has become a key tool in the interpretation of remotely sensed data. Methodologies based on machine learning and deep learning have become established methods for characterizing, modeling and improving remote sensing data sources. Along with the popularisation of satellite data (e.g., optical, multispectral and hyperspectral sensors, thermal, lidar, synthetic aperture radar), they are driving the development of computer vision in artificial intelligence that has obtained unprecedented results at local and global scales.

This Special Issue targets studies that apply artificial intelligence in any subset (e.g., machine learning, deep learning) to satellite imagery from different sensors and platforms, from natural to artificial ecosystems, such as forests, cropland or urban. Thus, integration or fusion of data from multiple satellite sources, multi-scale approaches, land-use change monitoring, studies to identify and monitor ecosystem services, and restoration or desertification, among other topics, are welcome.

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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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