

Special Issue

Deep Learning and Computer Vision in Remote Sensing

Message from the Guest Editors

In the last few years, the field of computer vision has made huge progress in remote sensing. This success and progress is mostly due to the effectiveness of deep learning (DL) algorithms. In addition, the remote sensing community has shifted its attention to DL, and DL algorithms have achieved significant success in many image analysis tasks. The aim of this Special Issue is to give the opportunity to explore the mentioned challenges in remote sensing using computer vision, deep learning, and artificial intelligence. Its scope is interdisciplinary, and it seeks collaborative contributions from academia and industrial experts in areas of deep learning, computer vision, data science, and remote sensing. Major topics of interest, by no means exclusive, are as follows:

- Deep learning and computer vision for RS problems
- Deep learning for RS image understanding, such as object detection, image classification, and semantic and instance segmentation
- Deep learning for RS scene understanding and classification
- Satellite images processing and analysis
- Transfer learning and machine learning for RS
- Applications

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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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