

Special Issue

Convolutional Neural Networks Applications in Remote Sensing

Message from the Guest Editors

In the last few years, convolutional neural networks (CNNs) have been applied in a large set of fields in which image processing is fundamental, from multimedia to medicine and robotics. Along with the rise of deep learning (DL), CNNs have emerged as a particularly powerful tool, providing outstanding performance in conventional tasks and allowing unprecedented applications in computer vision. Meanwhile, the interest of the remote sensing community in innovative image processing approaches has increased strongly, specifically towards CNNs and the panoply of existing DL architectures proposed in the computer vision literature. Hence, the current challenge is to properly exploit CNN tools to correctly address the needs and constraints of the wide variety of remote sensing applications. This Special Issue aims to foster the application of CNNs to remote sensing problems. Authors are encouraged to submit original papers of both a theoretical and application-based nature. For further details please refer to the website: https://www.mdpi.com/journal/remotesensing/special_issues/CNN_RS

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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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