



Convolutional Neural Networks Applications in Remote Sensing

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Deadline for manuscript
submissions:

closed (30 June 2019)

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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