



Deep Learning for Remote Sensing

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Message from the Guest Editors

Dear Colleagues,

This Special Issue aims to report the latest advances and trends concerning the application of deep learning to remote sensing problems. Papers of both theoretical and applicative nature are welcome, as well as contributions regarding new deep learning-oriented public datasets for the RS research community.

Major topics of interest, by no means exclusive, are:

- Large-scale datasets for training and testing deep learning solutions to RS problems;
- Deep learning for RS image processing (e.g., compression, denoising, segmentation, classification)
- Deep learning for RS image understanding (e.g., semantic labeling, object detection, data mining, image retrieval)
- Deep learning for RS data fusion (e.g., optical-SAR fusion, pan-sharpening)
- Deep learning with scarce or low-quality RS data, transfer learning, cross-sensor learning
- Processing of RS time-series through deep recurrent networks

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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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