Special Issue

Deep Learning and Feature Mining Using Hyperspectral Imagery

Message from the Guest Editors

Current and future hyperspectral (HS) EO missions will provide data coverage that has never been available before and with a largely untapped potential. While international scientific communities have been preparing with immense efforts for manipulation and exploitation of new hyperspectral data, we feel there is still quite a large gap between our understanding and the wealth of knowledge that spaceborne EO hyperspectral data can provide. Hence, powerful feature mining (FM) algorithms are required to mine useful information. This Special Issue is dedicated to hyperspectral analyses with deep learning and novel feature mining algorithms. The scope is broad but contributions with a sufficiently specific focus are preferred.

- Understanding of DL architecture for HS processing
- DL-based transfer learning
- Distributed DL for big HS data analysis
- DL/FM for multi-modal fusion (HS with MSI, Lidar, Radar ..)
- Unsupervised feature learning with DL or novel feature mining algorithms for HS
- DL for new spaceborne EO HS data
- New HS applications with DL/FM algorithms

Guest Editors

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Deadline for manuscript submissions

closed (31 December 2020)

About the Journal

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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