Special Issue

Exploitation of SAR Data Using Deep Learning Approaches

Message from the Guest Editor

Synthetic aperture radar (SAR) is a unique technology commonly used to capture an array of Earth surface parameters on a large spatial scale from space. Unlike optical technology, which produces the best images on sunny days, the European Space Agency's SAR Sentinel-1 takes its snapshots actively through the use of radars, penetrating clouds and working at night. This offers an unprecedented multitemporal dataset, leading to a great opportunity to exploit SAR images through the use of deep learning techniques. This Special Issue intends to present high-quality scientific research papers describing deep learning methods for the exploitation of SAR in the big data era, including multitemporal analysis, speckle filtering, phase linking, phase unwrapping, data fusion (with optical and GEDI data), parameter estimation, and related big data topics.

Guest Editor

Dr. Dinh Ho Tong Minh
UMR, TETIS, INRAE, University of Montpellier, Montpellier, France

Deadline for manuscript submissions

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Remote Sensing
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
remotesensing@mdpi.com

mdpi.com/journal/remotesensing

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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.

Editor-in-Chief

Dr. Prasad S. Thenkabail
Senior Scientist (ST), U. S. Geological Survey (USGS), USGS Western Geographic Science Center (WGSC), 2255, N. Gemini Dr., Flagstaff, AZ 86001, USA

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