Exploitation of SAR Data Using Deep Learning Approaches

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Message from the Guest Editor

Dear Colleagues,

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.

Dr. Dinh Ho Tong Minh
Guest Editor

Special Issue

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Message from the Editor-in-Chief

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