Special Issue

Advances in Synthetic Aperture Radar Remote Sensing

Message from the Guest Editor

This Special Issue aims to collect papers which focus on the most recent advances of SAR systems/subsystems design and missions, data processing techniques, either related to interferometric SAR or to multitemporal change detection, and finally, concerning the wide range of possible application in the earth sciences domain and anthropogenic activities.
Today, SAR data and InSAR are widely used in earthquake studies, to investigate the overall seismic cycle (coseismic, post-seismic and interseismic movements); in volcanology, to measure pre-eruptive/sineruptive volcano deformations; in hydrology, to measure the effects of the exploitation of watertable, causing subsidence in urban areas and affecting buildings and manufactures; in structural engineering, to monitor critical infrastructures prone to natural disasters; in urban planning, to provide long term scenarios able to evaluate the effects of urbanization.
The abovementioned issues are not exhaustive, but represent a portion of possible topics we expect from the scientific community, to be included in this Special Issue.

Guest Editor

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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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