Special Issue

Advances in InSAR Imaging and Data Processing

Message from the Guest Editors

The recent increase in SAR satellites has resulted in a golden age of SAR data of various wavelengths and resolutions, providing important datasets for exploring multi-dimensional, multi-temporal InSAR analysis. The large amount of SAR data coupled with spatial-temporal analyses are advancing InSAR data processing techniques. Big data analysis techniques including machine learning and deep learning are enabling the automatic detection of deformations of interest and improving the fidelity of InSAR products. Incorporating high-quality InSAR measurements and interdisciplinary observations allows for innovative applications to address frontier Earth sciences. This Special Issue calls for papers that deal with innovative InSAR processing and analysis techniques, the application of machine learning and deep learning for removing artifacts in InSAR products and the automatic detection of deformation signal, InSAR quality assessment frameworks, and novel applications of InSAR to address complex geoscience problems.

Guest Editors

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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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