Special Issue

Synthetic Aperture Radar (SAR) Simulation and Processing

Message from the Guest Editors

Synthetic Aperture Radar (SAR) is a powerful remote sensing technique able to perform global and almost continuous monitoring of the Earth's surface, thanks to its all-weather and day-and-night acquisition capabilities. It is now a well-established technology, and the main space agencies in the world have launched several SAR missions that currently provide us with an unprecedented amount of data. Within this framework, for this Special Issue contributions are solicited on the following topics: - SAR raw signal simulation techniques; - simulation of bistatic and/or multistatic SAR systems; - electromagnetic scattering models for SAR signal simulation; - innovative SAR processing algorithms; - SAR processing algorithms for innovative acquisition modes and geometries; - post-processing techniques; - SAR despeckling; - ...

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Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

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