Special Issue

Synthetic Aperture Radar (SAR) Imaging of the Sea Surface: Simulation, Modelling, and Processing

Message from the Guest Editors

This Special Issue intends to publish both high-quality review papers on existing methodologies for the characterization, simulation, and analysis of SAR images of the sea surface, as well as original research contributions describing new developments of such methodologies. Contributing authors are encouraged to address issues related to the following topics (non-exclusively) in the context of SAR remote sensing of the sea and ocean's surface:

- Hydrodynamical modelling of the sea surface and SAR image formation;
- Statistical modelling of SAR images of the sea surface;
- Methods for simulating SAR images of the sea surface;
- Inverse problems in SAR imaging of the sea surface: autofocussing, despeckling, and super-resolution;
- Machine learning for the analysis of the sea surface;
- Ship detection in SAR imagery;
- Ship-wake detection and quantification;
- Fusion of information from SAR images and from sensors and data sources non-peculiar to remote sensing (e.g., automatic identification system (AIS), meteorological, etc.).

Guest Editors

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Deadline for manuscript submissions

closed (28 February 2022)

Remote Sensing

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Message from the Editorial Board

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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