



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

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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.).





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Message from the Editor-in-Chief

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