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

Guest Editors:

**Prof. Dr. Alin Achim**

Department of Electrical & Electronic Engineering, University of Bristol, Merchant Venturers Building, Woodland Road, Bristol BS8 1UB, UK

**Dr. Oktay Karakus**

School of Computer Science and Informatics, Cardiff University, Queen's Buildings, 5 The Parade, Roath, Cardiff CF24 3AA, UK

Deadline for manuscript submissions:  
**closed (28 February 2022)**

### 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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# Special Issue



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## Message from the Editor-in-Chief

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*Remote Sensing* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

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