

Special Issue

Remote Sensing in Vessel Detection and Navigation

Message from the Guest Editors

In this Special Issue of *Sensors*, we will collect articles covering many aspects of multispectral, multi-sensor, SAR, and other sensors related to science/research, algorithm/technical development, analysis tools, synergy with sensors in multiple wavelengths of the e.m. spectrum, synergy with other measurements such as AIS, as well as reviews of the state-of-the-art in ocean processes using multispectral and SAR imagery for oceans and sea ice, and vessel monitoring for surveillance, trafficking, and navigation. Topics for this Special Issue include but are not limited to the following:

- Vessel detection, classification, and identification;
- Sea-ice and iceberg detection and tracking;
- Multi-sensor data fusion;
- Autonomous ships navigation;
- Comparative (terrain reference) navigation;
- Change detection for classifying islands, reefs, and other static objects;
- Synergy with and comparison to AIS and other vessel identification data;
- Synergies between satellite sensors with airborne platforms; multiple satellite SAR; optical and thermal infrared sensors including finer resolution sensors, for example, sentinels and other satellites, and in situ measurements;
- etc.

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About the Journal

Message from the Editor-in-Chief

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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