# **Special Issue**

## Recent Advances in Underwater Signal Processing

### Message from the Guest Editors

Seventy-one percent of Earth is covered by ocean, which plays an important role in human life (ecological regulation, living resources, mineral resources, etc.). Underwater equipment including sonar and radar can help us to better understand the ocean. Using these technologies, topography, underwater communication, target detection, localization, imaging and ocean monitoring can be easily carried out. Signal processing and electronics techniques have achieved great progress in recent years. Thanks to these developments, the novel theories, mechanisms, and processing techniques of underwater equipment have also been pushed into a new stage. Potential topics include but are not limited to the following:

- Underwater communication;
- Underwater network;
- Underwater detection;
- Underwater navigation;
- Underwater noise modeling;
- Underwater mapping and localization;
- Underwater vehicle technology;
- Sonar signal processing;
- Ocean monitoring;
- Ocean remote sensing techniques;
- Marine environment assessment;
- Air-sea interactions.

### **Guest Editors**

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### Deadline for manuscript submissions

closed (25 December 2022)



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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.

### Editor-in-Chief

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