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Marine Imaging and Recognition

Guest Editors:

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Dr. Mitch Bryson

Dr. Tali Treibitz

Deadline for manuscript
submissions:

closed (31 December 2020)

Message from the Guest Editors

This Special Issue is aimed at bringing together new solutions for sensing and extraction of useful information from underwater imagery. We invite submissions from all areas of computer vision and image analysis relevant for, or applied to, underwater image sensing and analysis. Topics of interest include but are not limited to:

- New underwater optical sensor designs;
- Underwater image enhancement;
- Multispectral and hyperspectral sensing and calibration;
- Underwater mapping in 3D and over time;
- Physical models of reflectance and light transport;
- Autonomous underwater navigation;
- Optical sensing for autonomous underwater manipulation;
- Underwater laser scanning and lidar;
- Detection and monitoring of marine life;
- Object tracking;
- Automatic video annotation and summarization;
- Classification, detection, segmentation using CNNs and deep learning;
- Other forms of context-aware machine learning and image understanding.



mdpi.com/si/30478

Special Issue



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Editor-in-Chief

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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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