

# Special Issue

## Marine Imaging and Recognition

### 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.

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### Guest Editors

Prof. Dr. Pedro J. Sanz

Dr. Nuno Gracias

Dr. Mitch Bryson

Dr. Tali Treibitz

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### Deadline for manuscript submissions

closed (31 December 2020)



## Sensors

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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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### Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro

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