



Underwater Engineering and Image Processing

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Message from the Guest Editors

Dear Colleagues,

consistent biological studies are now possible thanks to developments in both image acquisition devices/platforms (e.g., new cameras and sensors, lighting systems, AUVs, ROVs) and analytical techniques (e.g., underwater computer vision, deep learning-based approaches, multispectral image analysis), providing evidence of how underwater imaging is consolidating its role as non-destructive methodology to understand and monitor the underwater environment and preserve marine biodiversity. These are complemented by many other important applications in both emerging and established fields such as autonomous underwater vehicle navigation, archaeological surveys, seafloor mapping, and offshore inspections.

In this special session, both methodological and empirical contributions addressing multidisciplinary (e.g., biological, environmental) questions using marine imaging and related approaches are welcome, as well as technological advances in underwater imaging and analytics.

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Message from the Editor-in-Chief

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