Special Issue

Advances in Positioning, Navigation and 3D Mapping of Underwater Environments (Second Edition)

Message from the Guest Editors

This Special Issue aims to collect contributions on advances in positioning, navigation, and 3D mapping of underwater environments focusing on innovative, lowcost, effective, and efficient methods. Research manuscripts, reviews, and technical notes are welcome. Topics of interest include, but are not limited to, the following areas: methods related to underwater 3D mapping, such as through-water airborne photobathymetry; lidar bathymetry; acoustic and optical positioning; underwater geodetic surveying; underwater photogrammetry; visual inertial simultaneous localization and mapping; subsea metrology, multi- and hyperspectral imaging; satellite remote sensing; and autonomous unmanned as well tethered systems. Keywords:

- underwater photogrammetry
- lidar and photo bathymetry
- underwater positioning and navigation
- subsea metrology
- simultaneous localization and mapping-SLAM
- AUV, ASV, ROV, towed vehicles, and diver operated systems

Guest Editors

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Deadline for manuscript submissions

closed (15 June 2025)



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Message from the Editor-in-Chief

Remote Sensing is now a prominent international journal of repute in the world of remote sensing and spatial sciences, as a pioneer and pathfinder in open access format. It has highly accomplished global remote sensing scientists on the editorial board and a dedicated team of associate editors. The journal emphasizes quality and novelty and has a rigorous peerreview process. It is now one of the top remote sensing journals with a significant Impact Factor, and a goal to become the best journal in remote sensing in the coming years. I strongly recommend *Remote Sensing* for your best research publications for a fast dissemination of your research.

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