

## 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, low-cost, 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 photo-bathymetry; 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

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### Guest Editors

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### Deadline for manuscript submissions

closed (15 June 2025)



## Remote Sensing

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*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 peer-review 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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