



GNSS and Geomatics Application for Navigation and Marine Engineering

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Message from the Guest Editors

Geomatics techniques and, in particular, the Global Navigation Satellite System (GNSS) are able to greatly contribute to maritime activities. For instance, safe sea navigation takes advantage of accurate, reliable, and continuous positioning from the GNSS. Survey vessel operations are strictly based on geomatics tools, such as the GNSS, multi-beam sonar, and inertial measurement units.

Geomatics approaches could also be adopted to analyze and model sea conditions, with benefits for the onboard comfort level, the safety of passengers and crew, and the seakeeping performance of ships under rough-water conditions. In recent years, the interest in underwater surveys, which exploit geomatics, has been growing, and underwater surveys are currently an object of study in the scientific community.

This Special Issue is focused on recent and innovative solutions in this area that could improve the efficiency and the safety of maritime activities, including infrastructures on and near the sea, as well as preserve human life. Topics of interest include, but are not limited to: navigation; hydrography; oceanography; marine archaeology; and naval engineering.





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Message from the Editor-in-Chief

The *Journal of Marine Science and Engineering* (JMSE; ISSN 2077-1312) is an international peer-reviewed open access journal which provides an advanced forum for studies related to marine science and engineering. The journal aims to provide scholarly research on a range of topics, including ocean engineering, chemical oceanography, physical oceanography, marine biology and marine geosciences. We invite you to publish in our journal sharing your important research findings with the global ocean community.

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