

Special Issue

Global Navigation Satellite System for Maritime Applications

Message from the Guest Editors

The advent of the Global Navigation Satellite System (GNSS) has revolutionized maritime navigation, providing seafarers with unprecedented accuracy, reliability, and global coverage. GNSSs encompass a constellation of satellites emitting signals that enable the precise determination of position, velocity, and time with for users across the globe, thus supporting the resilient Position, Navigating and Timing (PNT) global availability. The use of GNSSs in maritime applications extends beyond simple navigation to a multitude of critical operations, including search and rescue, secure cargo tracking, authenticated fisheries management, and the enforcement of maritime boundaries. This Special Issue delves into the specific applications of GNSSs in the maritime industry, including the development of autonomous vessels, which rely heavily on accurate and high integrity positioning; the enhancement of maritime safety; the facilitation of efficient maritime transport; and the support of sustainable marine environmental practices.

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About the Journal

Message from the Editor-in-Chief

Journal of Marine Science and Engineering (JMSE, ISSN: 2077-1312) focuses on research in the fields of Ocean Engineering, Coastal Engineering, Physical Oceanography, Geological Oceanography, Marine Biology, and Marine Environmental Science. It publishes reviews, regular research papers, and short communications, as well as Special Issues on particular subjects. Our aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. There is no restriction on the maximum length of the papers.

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