



## Global Navigation Satellite System for Maritime Applications

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### Message from the Guest Editors

Dear Colleagues,

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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*Guest Editors*





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## Message from the Editor-in-Chief

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