

Special Issue

Advances in Innovative Solutions for Ship Energy Efficiency

Message from the Guest Editor

The shipping industry is continuously facing challenges in the improvement of ship energy efficiency. In addition, IMO's framework for the reduction in GHG emissions encourages the adoption of innovative technologies to enhance energy efficiency, while operational measures can be also adopted as possible short-term solutions. On the other hand, there is an increasing trend in acquiring and analysing cost-effectively large amounts of operational data for the condition monitoring and real-time awareness of ship performance. Nevertheless, to truly explore and utilize the available data, advanced data analysis methods and tools are needed, specifically those related to predictive and prescriptive analytics based on data-driven knowledge of the underlying physical processes. This Special Issue aims to collect studies related to innovative tools and methods for the assessment and improvement of ship energy efficiency. The studies shall cover either design and/or operational aspects related to ship energy performance monitoring, assessment, and optimization.

Guest Editor

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Deadline for manuscript submissions

closed (5 July 2024)



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About the Journal

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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