



Advances in Innovative Solutions for Ship Energy Efficiency

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Message from the Guest Editor

Dear Colleagues,

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.





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Message from the Editor-in-Chief

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