Special Issue

Marine Propulsion Systems: Hydrodynamics, Numerical Simulation, and Intelligent Control

Message from the Guest Editor

Suitable propulsors should be selected for the propulsion system of ships that co-operate with motors to reach high levels of performance in a variety of sea environments (calm water, sea states, etc.). A numerical and/or the experimental analysis of the physical phenomena associated with the interactions between propulsion systems and water provides evidence for, and drives the designers of these systems to, the proper selection of the geometry and versatility of the system. State-of-the-art CFD methods, in combination with potential ones for the design, enable the development of intricate models to simulate the physics of the complex phenomena encountered. Furthermore, Machine Learning (ML) and bio-mimetic methods support the optimization of the design and the operation of ships. This Special Issue aims to highlight the latest research and innovations that contribute to the analysis, design, and operation of marine propulsion systems for commercial cargo ships, high-speed craft, and submarines.

Guest Editor

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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.

Editor-in-Chief

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