Special Issue

Hydrodynamics and Safety Issues in Modern Ship Design

Message from the Guest Editors

The design of a ship is a complex process involving multiple aspects of naval architecture and marine electrical/electronic, mechanical, process, and ocean engineering; it is a system of systems. Therefore, ship design is a synthesis of those aspects, and proper methods should be employed to consider all these aspects, starting with the preliminary stages of a new design where information is limited. Such a process requires, among many other aspects, the development of adequate methodologies capable of making this synthesis, providing designers with the best compromised solutions between competing objectives and characteristics that determines optimal ship designs accounting for performance, functionality, safety, and cost, the customarily adopted design objectives. In the present Special Issue, the focus is on ship performance aspects related to hydrodynamics and safety as the first key steps influencing the design of a modern ship. Papers addressing the development and application of the aforementioned topics in the design of a ship are welcome.

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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.

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