



## Hydrodynamics and Safety Issues in Modern Ship Design

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**closed (25 May 2024)**

### Message from the Guest Editors

Dear Colleagues,

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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## Editor-in-Chief

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## Message from the Editor-in-Chief

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