

Special Issue

Ship Structures: Design Loads and Reliability Assessment

Message from the Guest Editors

Dear Colleague, In this Special Issue, we aim to focus on the recent developments in design loads and reliability assessment of ship structures. The evaluation of structural response is critical in ship design, and, for this, appropriate design loads must be determined. Experimental or analytical methods have been applied to determine the design loads from the past, and, recently, with the development of computers, the motion of the ship is predicted through various numerical methods, and the loads for the design are determined. In addition, despite continued efforts, failures in ship structures are occurring worldwide. Ship structures are typical dynamic systems, and their safety and reliability must be evaluated in combination, including collision, explosion, grounding, etc. This Special Issue covers all topics related to ship design loads and reliability evaluation. Case studies for the novel engineering applications and review papers are welcome.

- ship structures
- design load
- reliability assessment
- ship motion analysis
- ship strength

Guest Editors

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As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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