



## Ship Structures: Design Loads and Reliability Assessment (2nd Edition)

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Deadline for manuscript  
submissions:  
**closed (30 April 2024)**

### Message from the Guest Editor

Dear Colleagues,

We are pleased to announce the second edition of this topic, which aims 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, for which appropriate design loads must be determined. Experimental or analytical methods have been applied to determine design loads in the past, and, recently, with the development of computers, the motion of ships is predicted through various numerical methods, and the loads for the design are determined using this method. In addition, despite continued efforts, failures in ship structures still occur 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 and review papers on novel engineering applications are welcome.

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





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## Message from the Editor-in-Chief

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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