Special Issue

Ships and Offshore Structures: Design and Mechanical Behavior

Message from the Guest Editor

This Special Issue will focus on, but is not limited to, the new structure forms of marine engineering equipment, the frontier applications of new materials in ships and offshore structures, the design and performance optimization of the structural mechanics of ships and offshore structures, the application of new numerical calculation methods in marine engineering and the performance evaluation of the structural mechanics of ships and offshore structures, performance evaluation of structural mechanics under severe sea states, the mechanism and suppression of deep-sea riser vortex-induced vibrations, real-time monitoring, online evaluation, intelligent warning of marine structural performance, etc. Many technical difficulties need to be overcome to improve the performance of marine engineering equipment, allowing marine engineering to develop into deep waters and create more social and economic value. It is hoped that the research in this Special Issue will promote a breakthrough in the performance of marine equipment.

- ship structures
- offshore structures
- marine equipment
- marine structural performance
- mechanical behavior

Guest Editor

Dr. Yu-Xiang Peng

School of Ocean Engineering and Technology, Sun Yat-sen University & Southern Marine Science and Engineering Guangdong Laboratory (Zhuhai), Zhuhai 519000, China

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Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
applsci@mdpi.com

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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.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32, 20133 Milano, Italy

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