



Safety and Reliability of Ship and Ocean Engineering Structures

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Message from the Guest Editors

As our global reliance on maritime transportation continues to grow, the imperative to develop robust and resilient structures becomes increasingly vital. The studies featured in this Special Issue span a spectrum of disciplines, from naval architecture and marine engineering to materials science and structural analysis. The topics of this Special Issue include, but are not limited to: Resistance improvement of maritime structures to risks and reliability;

Material selection on the safety of structures in extreme marine environments;

Seismic performance assessment of ships and ocean engineering structures;

Corrosion and fatigue influence of marine structures over long-term use;

Application of new materials, such as composite materials, in marine engineering structures;

Integration of smart sensors and monitoring systems for the real-time monitoring of marine structures;

Modern autonomous navigation technology;

Digital technology and data analysis system to assist maintenance plans for marine structures.





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Message from the Editor-in-Chief

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