



Environmental Risk Assessment for Maritime Transport and Offshore Structures through State-of-the-Art Ocean Models and Observations

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Message from the Guest Editors

Dear Colleagues,

This Special Issue aims to highlight recent advances in the practical ocean model and the observational data interrogation procedure to include realistic waves and currents, along with winds and ice conditions, in subsequent structural analysis of offshore structures and ships. The main purpose is to refine assessments of structural integrity and environmental risk, a matter of specific interest to ship and offshore structure classification societies. In developing the throughput and use of ocean state and wave forecasting data, these assessments may also be of use in real-time offshore operations. This Special Issue brings together physical oceanography and the mathematics of fluid–structure interaction, and particularly addresses the likely extreme environmental loads on a selection of structures and ships, in a wide range of offshore environments.





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Message from the Editor-in-Chief

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