



Extreme Sea States in Coastal and Offshore Applications

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Message from the Guest Editors

Dear Colleagues,

Coastal and Offshore structures and applications must be designed to endure the harsh marine environment from multiple points of view. Either due to the extreme loading caused by waves and oceanic currents or related to marine phenomena such as corrosion and severe scour occurrence, among other aspects, applications in marine environmental conditions need to be simultaneously safe and efficient. Based on the design, installation and maintenance operations for these cases, properly considering the effects of extreme sea states is crucial. This Special Issue covers a broad set of contributions focused on methodologies to predict extreme sea states and other environmental conditions at sea, as well as research performed on the analysis, design, monitoring and behavior of coastal and offshore structures, energy harvesting devices, defense infrastructures, nature-based solutions, among others. From physical to numerical studies and in situ applications, all contributions to the importance of extreme sea states for maritime engineering are welcome in this Special Issue.





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Message from the Editor-in-Chief

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