Special Issue

Multi-Hazard Effects and Mitigation Strategies for Offshore Structures: Advances and Challenges

Message from the Guest Editors

This Special Issue aims to address the complex and multifaceted challenges associated with the design. assessment, and mitigation of the risks posed to offshore structures by multiple environmental hazards. Offshore wind turbines, sea-crossing bridges and floating structures are increasingly subjected to a variety of hazards, including environmental loads (seismic, wind, wave, ice, etc.), local sour, and man-made risks. The interactions among these hazards can result in compounded effects, often leading to unexpected vulnerabilities that require innovative strategies to ensure the safety, reliability, and sustainability of offshore structures. This Special Issue welcomes contributions that explore the impact of multiple hazards on offshore structures, as well as innovative strategies for mitigating these risks. The aim of this Special Issue is to provide a comprehensive collection of state-of-the-art research and practical solutions that provide engineers, researchers, and industry stakeholders with insights that could enhance the resilience of offshore structures against a wide array of environmental and operational challenges.

Guest Editors

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Message from the Editor-in-Chief

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Editor-in-Chief

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