



Offshore and Subsea Structures

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Message from the Guest Editor

Structural mechanics is an important field of engineering. The main goal of structural mechanics research is to ensure that structures are safe and durable to prevent the occurrence of catastrophic situations, which can cause a loss of lives, environmental pollution, and financial losses. Depending on the usage of the structure and the conditions, a special treatment may be required for the analysis. Specifically, offshore and subsea structures are subjected to harsh environmental conditions due to the marine environment that can involve several different damage mechanisms, including damage due to fatigue and corrosion.

Keywords

- offshore and subsea structures
- offshore renewable energy devices
- risk and reliability
- artificial intelligence and machine learning
- fracture mechanics
- corrosion
- structural health monitoring
- marine composites
- ice–structure interactions
- collision mechanics





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Message from the Editor-in-Chief

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