



Instability and Failure of Subsea Structures

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Message from the Guest Editors

Dear Colleagues,

We warmly invite you to contribute a review, perspective, communication, or research articles regarding “Instability and Failure of Subsea Structures”.

Challenges: Subsea structures are designed to meet requirements of having a reasonably long and safe operational life with the risk of catastrophic failures in ocean environments reduced to a minimum. The safety and resilience of subsea development are highly dependent on the stability, deformability, ductility, and strength of subsea structures or materials. The complicated interactions between the fluids, subsea structures, and the seabed have not been well understood. Another challenge is that problematic soils are widely distributed in the seabed. These will bring about numerous geohazards, foundation instabilities, structural or material failures.

Potential topics: Potential topics of this Special Issue include, but are not limited to:

- (1) Failure mechanisms of subsea structures;
- (2) New materials used in subsea structures;
- (3) New design methods for subsea structures;
- (4) New construction methods for subsea structures.





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Message from the Editor-in-Chief

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