



Accidental Limit States of Marine Structures

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Message from the Guest Editors

Dear Colleagues,

The design of ships and offshore structures for extreme actions, poses particular challenges in terms of the assessment of highly nonlinear structural responses, uncertainties related to material and load modelling, and the establishment of acceptance criteria which define functional requirements concerned with the structures' resistance to accidental effects. In particular, well-established guidance for the quantitative assessment and management of accidental risks is sorely needed. High-quality papers are encouraged for publication that are directly related to various aspects mentioned below:

- Computational models for nonlinear structural response analysis;

- Constitutive models addressing dynamic inelastic behaviour of marine-use materials;

- External dynamics and internal mechanics of collision and grounding;

- Safety assessment of damaged structures;

- Assessment of consequences of accidental events, e.g., oil spill and flooding;

- Quantitative marine accident risk assessment and management.

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Guest Editor





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Message from the Editor-in-Chief

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