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Special Issue on “Ultimate strength of ships and offshore structures”

Editor: Prof. Carlos Guedes Soares



The assessment of the ultimate strength of floating structures is an essential step in their design process and thus it is included as one of the checks in the Rules of Classification Societies. Different methods have been developed for that purpose and new approaches are continuously being proposed, as simplified methods duly calibrated and validated are always welcome as substitutes of very heavy computational approaches. The ultimate strength which was primarily concerned with intact structures have been extended to damaged structures, including both the prediction of the damaged due to accidental situations as the residual strength of damaged structures.

This special issue aims to collect in a single location contributions that will allow an overview of the present state of the art in this subject area.

Topics of interest include (but not limited to)

- Ultimate strength of plates and stiffened plates
- Ultimate strength of hull girders
- Strength of offshore platforms
- Strength under ice loading
- Strength of risers and pipelines
- Ultimate strength of damaged structures
- Collision and grounding damage
- Fire and blast damage
- Uncertainty in strength predictions

Schedule

It is aimed to have the articles submitted before the end of 2019 so as to have the special issue published in the first half of 2020.

Submission Guidelines

Submitted articles must not have been previously published or currently submitted for journal publication elsewhere. Paper submissions must conform to the layout and format guidelines of the journal.

Submissions must be sent via the journal submission website

<https://mc03.manuscriptcentral.com/jmsa>

However before submission it is advisable to contact the Editor to ensure that the paper will be processed as part of the special issue

Editor

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