



Subsea Pipelines

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Deadline for manuscript
submissions:

closed (1 October 2022)



mdpi.com/si/83431

Message from the Guest Editors

Dear Colleagues,

A subsea pipeline (also known as an offshore pipeline or submarine pipeline) is a pipeline that is laid on the seabed or inside specially constructed trench. The use of pipelines represents a reliable mode of transport of oil and gas. To prevent failure scenarios, such as improper pressurization, localized buckling, fatigue failure and instability, the limit strength, internal/external pressure, corrosion-resistant material selection, and stability management are main concerns in the design, installation and operation of the submarine pipelines.

This Special Issue will be dedicated to experimental analysis, numerical simulations and analytical solutions related to various aspects of the design and analysis of subsea pipelines. The topics of interest are listed below:

- Collapse/burst pressure;
- Buckling strength;
- Reliability analysis;
- Corrosion defect and coating;
- Initial imperfections;
- Sandwich pipes;
- Pipe-in-pipe;
- Thermal analysis;
- Design and installation;
- Material characteristics;
- Combined loading condition.

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Special Issue



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Message from the Editor-in-Chief

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Journal Rank: JCR - Q2 (Engineering, Marine) / CiteScore - Q2 (Ocean Engineering)

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