



Dynamics of Offshore Structures

Guest Editor:

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Deadline for manuscript
submissions:

closed (15 February 2020)

Message from the Guest Editor

From oil platforms to offshore renewable energy equipment, to fish farms and large floating structures, the offshore sector is composed of a variety of industries and applications.

Offshore installations pose particular engineering challenges in terms of their efficiency, operability and survivability in a potentially harsh environment which is the sea. The effects of wind, waves and current on the dynamic behaviour of these structures needs, therefore, to be properly assessed. Furthermore, technologies aimed at controlling their behaviour through active or passive processes are crucial for their success.

This Special Issue encompasses, but is not limited to, the study of fixed and floating offshore platforms, dynamic positioning, pipelines and risers, cables and mooring, offshore renewable energy and aquaculture structures. Studies addressing marine operations in the installation and maintenance of offshore structures and on the control and optimization of arrays are also within the scope.

Contributions presenting novel creative approaches, properly supported by consistent scientific reasoning, are particularly welcomed.





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Message from the Editor-in-Chief

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