# Special Issue

## Safety and Reliability of Offshore Energy Facilities

### Message from the Guest Editors

Our societies have been facing major consequences of climate change and, especially since 2022, major energy crises have highlighted those clean and new power plants should be developed. Offshore energy facilities are one of the most promising solutions to meet these challenges. The marine environment is complex and offers harsh environmental conditions for offshore energy facilities. Its effect on infrastructures and systems is hard to model. As a consequence, engineering must account for uncertainties and assess the reliability of these facilities. This Special Issue aims to bring together scientists, research engineers, and decision-makers in the fields of system safety of complex engineering systems, structural health monitoring, cost/benefit assessment, and risk management in order to present and discuss innovative methodologies and practical applications related to reliability of offshore energy facilities. Scientific methodologies, theoretical issues, and practical case studies are expected to cover the entire range of applications, from the academic to the industrial, including electro-mechanical and civil engineering applications.

### Guest Editors

Prof. Dr. Franck Schoefs

Prof. Dr. Bernt J. Leira

Prof. Dr. John Dalsgaard Sørensen

Dr. Vikram Pakrashi

### Deadline for manuscript submissions

closed (29 February 2024)

**Journal of Marine Science and Engineering**

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# About the Journal

## Message from the Editor-in-Chief

The *Journal of Marine Science and Engineering* (*JMSE*; ISSN 2077-1312) is an international peer-reviewed open access journal which provides an advanced forum for studies related to marine science and engineering. The journal aims to provide scholarly research on a range of topics, including ocean engineering, chemical oceanography, physical oceanography, marine biology and marine geosciences. We invite you to publish in our journal sharing your important research findings with the global ocean community.

## Editor-in-Chief

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