

## Special Issue

# Advancements in Power Management Systems for Hybrid Electric Vessels

### Message from the Guest Editors

The maritime industry is currently undergoing a significant transformation, marked by the transition towards propulsion systems that are not only energy-efficient but also environmentally friendly. This shift is prominently reflected in the adoption of hybrid or all-electric propulsion systems, leveraging renewable energy sources (like photovoltaic and fuel cells) and evolving advanced electrical distribution topologies. As vessels embark on the journey towards all-electric propulsion, they encounter challenges associated with variable and fluctuating propulsion loads. In response to this, hybrid energy storage systems have emerged as effective solutions, particularly when integrating renewable sources. This Special Issue aims to present and share the most recent advancements in the theory, design, modeling, application, route planning, and energy optimization tailored specifically for hybrid electric maritime vessels.

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### Deadline for manuscript submissions

closed (15 December 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.

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### Editor-in-Chief

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