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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Message from the Editor-in-Chief

Journal of Marine Science and Engineering (*JMSE*, ISSN: 2077-1312) focuses on research in the fields of Ocean Engineering, Coastal Engineering, Physical Oceanography, Geological Oceanography, Marine Biology, and Marine Environmental Science. It publishes reviews, regular research papers, and short communications, as well as Special Issues on particular subjects. Our aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. There is no restriction on the maximum length of the papers.

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