



Ship Energy Systems

Guest Editor:

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Deadline for manuscript
submissions:

closed (30 June 2020)

Message from the Guest Editor

Dear Colleagues,

In navigation, the containment of energy consumption has always been an aspect of great importance. Today, the power generation sector on board ships is experiencing a "revolution" due to both the entry into force of legislation on increasingly polluting emissions and the change in on-board energy consumption, which is becoming increasingly polygenerative (mechanical energy, electricity, heat, and cold) instead of only being propulsive.

In this context, this Special Issue aims to address this current pressing problem inviting papers concerning new on-board power generation systems, different from the traditional systems with internal combustion engines fueled with heavy fuel oil.

Very important aspects related to the performance of innovative energy systems, emission reduction, space and volume optimization could be discussed. System optimization could be considered in terms of both optimal design and optimal management in the operational life of a ship, considering the ship's electrical, thermal, refrigeration load demands in the different navigation phases.

Prof. Dr. Piero Pinamonti
Guest Editor





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Message from the Editor-in-Chief

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