Special Issue

Ocean Energy Conversion and Magnetohydrodynamic Power Systems

Message from the Guest Editors

Climate change is the biggest challenge faced by our planet today. With the ocean covering more than 70% of the Earth, ocean energy is an enormous clean, renewable resource. Harnessing the power of ocean energy can ensure global energy security and achieve targets of global clean energy generation and CO2 reduction. This has promoted the development of ocean energy conversion technologies. At the same time, the acceleration of ocean energy converters has contributed to advances in electric generator technologies. Magnetohydrodynamic (MHD) power generation is a relatively new and direct technology. Topics of interest include, but are not limited to the following:

- All types of ocean energy conversion, such as tidal, wave, current, thermal energy, salinity gradient energy, and so on;
- Marine wind–solar–wave/wind–wave complementary power generation;
- MHD generators for ocean energy conversion and other applications;
- Other marine energy developments and utilizations;
- Marine MHD propulsion;
- Power conversion and control of ocean energy power generators.

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Message from the Editor-in-Chief

Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

Editor-in-Chief

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