Special Issue

Polymer Electrolyte Membrane Fuel Cell Systems

Message from the Guest Editors

Recent advancements in Polymer Electrolyte Membrane Fuel Cell (PEMFC) technology have directed the interest of the major research and industrial players towards PEMFC-based energy systems. This Special Issue of *Energies* aims to collect articles that describe the most up-to-date advancements in research and innovation on PEMFC systems for automotive and stationary applications. Topics of interest include, but are not limited to:

- design of PEMFC-based power systems;
- management and optimization of PEMFC system operation;
- optimal control of PEMFC systems;
- PEMFC systems for micro-combined heat and power (micro-CHP) uses;
- PEMFC systems for backup applications;
- PEMFC systems for automotive uses;
- PEMFC systems as auxiliary power units (APUs);
- diagnosis of PEMFC system stacks and balance-of-plant (BOP);
- prognosis and estimation of PEMFC system durability;
- power electronics for PEMFC systems;
- use of PEMFC systems in virtual power plants (VPPs); and
- PEMFC systems for power-to-gas (P2G) and gas-to-power (G2P) applications.

Guest Editors

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Deadline for manuscript submissions

closed (25 September 2020)

Energies

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 7.3

mdpi.com/si/32208

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About the Journal

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.

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