Special Issue

Improvements of the Electricity Power System II

Message from the Guest Editors

Rising energy prices are forcing changes in the paradigms of power system operation. National power systems are starting to play a different role in the global energy market. Virtual power plants (VPPs) or power cooperatives are considered as possible solutions. Activities related to increasing energy efficiency and energy savings are critical, while efforts to increase its quality and accessibility to everyone are also ongoing. In this Special Issue of *Energies*, we would like to highlight the following issues:

- Problems in power system operation in the raw material crisis;
- Issues related to the functioning of renewable energy sources in the power system;
- Hydrogen technologies;
- The issue of energy storage;
- Virtual power plants on the electricity market;
- Issues related to the operation of local power systems;
- Smart grid and smart metering in the power system;
- Material processing, functional materials, rare earth metals;
- Energy efficiency and energy saving;
- Safe operation of systems and installations;
- Optimization, forecasting and IT software in power systems.

Guest Editors

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Deadline for manuscript submissions

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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.

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