Special Issue

Microgrid Energy Management 2021

Message from the Guest Editor

The microgrids must meet several needs and expectations of customers and of the various stakeholders involved in the electrical energy chain. This heterogeneity requires identifying energy management so that it is able to address a variety of targets related to efficiency, power quality, resiliency, and affordability. Energy management should carefully take into account the presence of distributed energy resources (i.e., wind and solar energy sources) and of loads (e.g., plug-in electric vehicles) which are, for example, responsible for line overloading and critical voltage profiles. This Special Issue will deal with innovative strategies for the management of microgrids. Topics of interest for publication include but are not limited to the following:

- Distributed energy resources;
- Energy storage systems;
- Active demand;
- Optimization methods;
- Resiliency and affordability of power systems;
- Power quality;
- Control strategies.

Guest Editor

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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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