

Special Issue

Recent Advances in Renewable Energy Generation Technologies and Power Demand Response: 2nd Edition

Message from the Guest Editor

Currently, there is an increasing emphasis on reducing the energy consumption of buildings. As temperatures rise, the professional community is focused on lowering the carbon footprint in the energy sector. Solar energy, which is currently the most accessible form of energy, can be harnessed using photovoltaic panels. However, operating photovoltaic systems present numerous challenges that lead to a decrease in energy efficiency. The aim of this Special Issue is to introduce new scientific insights in the field of photovoltaic system operation to the scientific and professional community. This Special Issue covers a variety of topics, including, but not limited to, the following:

- Photovoltaic systems;
- The operation of photovoltaic systems;
- Efficient energy utilization;
- Power system control;
- Battery systems;
- Electricity price;
- The optimal operation of renewable energy sources;
- Electric distributed systems;
- Energy management systems;
- Electromobility

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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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