Special Issue

Trends and Prospects in Photovoltaic Systems

Message from the Guest Editors

This Special Issue of *Energies* focuses on future technologies of photovoltaic energy systems for the operation of power systems. The main topics of interest for this issue include, but are not limited to:

- New solar technologies such as floating PV, solar shingles, solar trees and solar carports.
- High-gain converters.
- Module-based optimized PV system.
- Hybrid converters for the application of PV and energy storage.
- Large-scale PV integration to the grid.
- Smart grid solutions to PV system.
- Application of communication technologies, IoT and machine learning techniques for PV integration.
- Requirement of new grid codes.
- New applications of PV such as heating, cooling and EV charging stations.
- DC microgrid applications.
- Solar-powered transportation.

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Deadline for manuscript submissions

closed (31 October 2022)

Energies

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 7.3

mdpi.com/si/117118

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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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