

Special Issue

Challenges and Future Trends of Photovoltaic Systems

Message from the Guest Editors

We are inviting submissions to a Special Issue on [Challenges and Future Trends of Photovoltaic Systems](#).

Distributed generation (DG), particularly photovoltaic (PV) systems, provides a strategy for relieving these challenges through the direct generation of electric energy from the Sun. The increased penetration of DG has introduced various technical challenges that make it necessary to develop operation standards. These standards aim to promote the reliability, safe operation, and increased propagation of on-grid distributed generation. The unpredictability of solar radiation intensity implies that utility operators may not be able to provide proper control and planning for variable load demand. It is necessary to quickly address rough power ramps, over-generation, and the resulting influence on frequency response as the penetration of grid-connected PV power plants increases.

In this Special Issue, we invite submissions inspecting novel research and recent advances in the field concerned with the Challenges and Future Trends of Photovoltaic Systems. Both theoretical and experimental studies are welcome, as are comprehensive reviews and survey papers.

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Deadline for manuscript submissions

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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