Special Issue

Solar Energy Harvesting, Storage and Utilization

Message from the Guest Editors

This Special Issue includes but is not limited to the following topics:

- Novel technologies and methods that can contribute to the enhanced efficiency and controllability of solar energy systems under standard and/or varying working conditions;
- Novel control strategies for solar photovoltaic systems to achieve maximal energy harvest, and/or smoothed power output with/without integration with battery storage and/or other technologies;
- Novel operation and control methodologies for solar photovoltaic and other renewable systems to achieve economic dispatch of microgrids /distribution grids considering coordination between generations, demands and battery storages;
- Intelligent and data driven paradigms for optimal energy harvest of solar and wind farms considering various uncertainties and constraints etc;
- Optimal planning and control of distribution grids leveraging controllability and flexibility of solar and other renewables and electric vehicles.

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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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