



Photovoltaic Systems for Sustainable Energy

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submissions:

closed (15 September 2020)

Message from the Guest Editor

This Special Issue solicits papers that relate to the successful planning, investment, application, and operation of PV systems. This Special Issue focuses on the following topics (including but not limited to the following):

- PV materials, including new and further developed solutions, modeling, and simulations;
- PV cells and modules;
- Power electronics devices (inverters, controllers, etc.);
- PV solutions for off-grid and grid-connected operation;
- Novel optimization and control techniques (fuzzy logic, neural networks, partial swarm optimization, ant colonies, and the like);
- Studies for solar potential estimation and PV sizing;
- Modeling, simulation, and stability analysis of PV systems;
- Schemes for increased PV penetration (e.g., coordination with EVs, or storage);
- New controller designs, e.g., virtual synchronous generator, grid-forming inverters, smart inverters;
- Performance analysis of PV panels;
- Economic analysis for PV systems;
- Renewable energy policy and incentive studies for increased PV penetration.





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Editor-in-Chief

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Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

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