Special Issue

Smart Photovoltaic Energy Systems for a Sustainable Future

Message from the Guest Editors

Smart PVs can play a role within the smart grid concept as the backbone of a green energy transition, combined with other technologies as an active component, responsive and adaptive to local needs. We are inviting submissions to this Special Issue and the topics in it may include but are not limited to the following:

- Power system planning and operation with high penetrations of PV;
- Control/coordination strategies in managing disturbances and events;
- Advanced protection of distribution grids with high penetrations of PV;
- Cybersecurity for PV systems integration;
- Integrating energy storage with PV, including microgrid/distributed control functionalities;
- Solar generation analysis and forecasting;
- PV in support of energy islands/communities: planning and operation;
- PV contributing to RES synthesis for supporting an integrated grid;
- Zero energy districts/buildings with PV as the main energy source;
- PV in the built environment.

Guest Editors

Dr. Venizelos Efthymiou

FOSS Research Centre for Sustainable Energy, Department of Electrical and Computer Engineering, University of Cyprus, Nicosia 1678, Cyprus

Dr. Christina N. Papadimitriou

Eindhoven Institute for Renewable Energy Systems, Eindhoven, TU/e—Eindhoven University of Technology, 5600 MB Eindhoven, The Netherlands

Deadline for manuscript submissions

closed (31 January 2021)

Energies

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 7.3

mdpi.com/si/38069

Energies
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
energies@mdpi.com

mdpi.com/journal/energies

Energies

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 7.3

mdpi.com/journal/energies

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.

Editor-in-Chief

Prof. Dr. Enrico Sciubba
Department of Mechanical and Industrial Engineering, University Niccolò Cusano, 00166 Roma, Italy

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, RePEc, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank:

CiteScore - Q1 (Control and Optimization)