Special Issue

Smart Distribution Grid Technologies and Applications

Message from the Guest Editors

Distribution grids are moving towards a renewed flexible architecture to improve energy efficiency and reliability while minimizing costs and environmental impact. The road to the change is not trivial and presents various challenges that have to be tackled. Distributed energy resources together with smart control and communication systems are the ways to face the new challenges, but new studies and methods are required for the validation of the proposed solutions. This Special Issue aims to encourage both academic and industrial researchers to present their latest enhancements concerning all the technologies for smart distribution grids and their applications. Topics include but are not limited to the following:

- Demand response
- Demonstration or field application experiences
- Distributed energy resources for ancillary services
- Distributed generation
- Distributed monitoring for distribution grids
- Energy storage integration
- Management and control of smart distribution grids
- Microgrids
- Renewable energies
- Telecommunication systems for distribution grids

Guest Editors

Dr. Anna Rita Di Fazio

Department of Electrical and Information Engineering, University of Cassino and Southern Lazio, 03043 Cassino, Italy

Dr. Giovanni M. Casolino

Department of Electrical and Information Engineering, University of Cassino and Southern Lazio, 03043 Cassino, Italy

Deadline for manuscript submissions

closed (30 September 2021)

Energies

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 7.3

mdpi.com/si/43899

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)

MDPI