

Special Issue

The Impact of Distributed Energy Resources (DERs) on Supply Network and Energy Market

Message from the Guest Editors

The purpose of the proposed Special Issue is to present various technical aspects of cooperation of DERs with supply networks and the impacts of DERs on energy markets and applicable legislation. The Editors are particularly (but not exclusively) interested in submissions on the following topics:

- The integration of distributed generation and transmission in a power system: modelling and field measurements, the study of penetration scenarios, flexible interconnection frameworks and case studies, energy management in distribution systems;
- Aspects of cooperation of various types of energy sources and storage in a power system;
- Energy transformation issues;
- Energy efficiency optimization;
- Energy harvesting;
- Hosting capacity of the power grid for renewable electricity production: tools and methods for distribution networks' hosting capacity calculation, optimal placement and sizing of DERs in distribution networks, the advanced planning of DER distribution networks;
- DERs versus power quality.

Guest Editors

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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.

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