Special Issue

Renewable Energy Development in Distribution Networks: Optimization, Assessment and Design of Renewable Plants

Message from the Guest Editor

Electrical distribution networks have been rapidly transformed by the significant integration of renewable energy sources, energy storage systems, and active power consumers. These changes require new methodologies to optimize, assess, and design these grids and renewable plants. The main aim of this Special Issue is to seek high-quality contributions that address current issues related to more sustainable, safer, and more resilient distribution networks. Topics of interest include but are not limited to the following:

- **Solar, wind, and emerging generation technologies;**
- **Control method of power electronic converters;**
- **Optimization of operation of power systems;**
- **Energy storage technologies;**
- **Multi-phase distribution networks;**
- **Direct current distribution networks;**
- **Electric distributed systems;**
- **Voltage stability and optimal line flow analysis;**
- **Application of the IoT and/or AI for distribution networks.**

Guest Editor

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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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