Special Issue

Electric Distribution System Modeling and Analysis

Message from the Guest Editor

Dear Colleague, Researchers try to discover generalization paths to arbitrary network topologies and include arbitrary device connections. Topics of interest for publication include, but are not limited to the following:

- Numerical techniques and models to conduct a wide range of studies in distribution grids
- Modeling of inverter-based distributed energy resources (IBDERs)
- Modeling of advanced distribution system equipment and smart grid assets
- Simulation of new distribution-level grid technologies
- Simulation of active distribution networks
- Integrated analysis of distribution grids, initialization of time-domain analysis from multi-phase load flow
- Quasi-static time-series models, dynamic and EMT type models
- Application of real-time simulation and hardware-in-the-loop methodologies in the analysis of distribution systems
- Multiphase and unbalanced analysis of distribution systems: load flow, steady-state short circuit, state estimation, dynamic and transient analysis
- Analysis of hybrid ac/dc microgrids
- Analysis of inverter-based grids

Guest Editor

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Deadline for manuscript submissions

closed (30 April 2021)

Energies

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Impact Factor 3.2
CiteScore 7.3

mdpi.com/si/37201

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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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