

Special Issue

Rethinking the Distribution Power Network Planning and Operation for a Sustainable Smart Grid and Smooth Interaction with Electrified Transportation

Message from the Guest Editors

Topics of interest for publication include but are not limited to the following:

- Planning of smart grid considering uncertainty factors and/or multistage investments (e.g., renewable generation and electric vehicles growth in the mid-long term);
- Proposal for lowering grid operation cost and increasing the sustainability of smart grids (e.g., methods dealing with big data or smart metering to retrieve valuable information for grid operation);
- Renewable energy, demand-response, smart distribution grids;
- Energy management system in smart distribution grids;
- Advanced flexibility strategies for smart distribution grids;
- Electric vehicles planning and operation in smart grid (including behavior models for simulation and optimization of EVs in the grid).

Guest Editors

Prof. Dr. João Soares

Dr. Bruno Canizes

Prof. Dr. Zita Vale

Deadline for manuscript submissions

closed (31 December 2020)



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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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