



## Optimal Control of Smart Distributed Power and Energy Systems

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Deadline for manuscript  
submissions:

**closed (20 July 2021)**



### Message from the Guest Editors

Dear colleagues,

The main aim of the Special Issue is to collect papers in the field of modeling, control, and optimization of power distribution grids (both in standalone and grid-connected operation), with specific attention to methods and real infrastructure applications.

Specific topics of interest for the Special Issue include, amongst others:

- New models for distribution power grids;
- Optimal control and planning of distribution grids (both in grid-connected and islanded mode);
- Optimal control and planning of hybrid systems (wind, hydrogen, fuel cells, hydroelectric plants, etc.);
- Hierarchical control;
- Cooperative and non-cooperative control;
- Optimal integration and planning of renewables in distribution grids;
- Stochastic optimization;
- Model predictive control;
- Distributed optimization;
- Optimal control of aggregators of demand response;
- New power market structures for distribution grids;
- Modeling and control of flexible loads;
- Applications in different demand contexts (e.g., industrial, agriculture, smart cities).



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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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