

Special Issue

Optimization Models to Foster Demand Response in Power Systems

Message from the Guest Editor

Contributions to this Special Issue are expected to cover novel models and optimization tools for addressing a wide range of topics in demand-side management and demand response, namely concerning load scheduling, the integrated optimization of energy resources, issues associated with the location of equipment, as well as communications, system reliability and provision of ancillary services, and market design and operation in the realm of the evolution to smart grids. Contributions reporting real-world case studies are also welcome. All papers will undergo a stringent peer review procedure in accordance with the quality standards of *Energies*. Papers must contain original research results including comprehensive mathematical models, algorithmic advances, and extensive numerical experiments. Numerical illustrations cannot be toy examples, but must be real or realistic case studies for which all data should be provided (in the paper or as supplementary material) to ensure the replicability of results. The research reported in contributed papers should convey novel and significant work with respect to the relevant literature.

Guest Editor

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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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