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Demand Side Management of Distributed and Uncertain Flexibilities

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Deadline for manuscript submissions:
closed (28 February 2022)

Message from the Guest Editors

Dear Colleagues,

The Guest Editors are inviting submissions to a Special Issue of *Energies* on the subject "Demand Side Management of Distributed and Uncertain Flexibilities." The concurrent growth of energy consumption and of the share of renewable energies has increased the need for optimization and control techniques of flexibilities on the demand side of electric power and energy systems. Various approaches have been proposed differing in objectives, model complexity, communication effort and computational load.

This Special Issue will deal with novel contributions that investigate the optimization and control of distributed and uncertain flexibilities. In order to maintain the integrity, transparency and reproducibility of contributions, authors will

- use a common set of publicly available forecast and observed data including households' demand, PV production and EV utilization, energy and imbalance energy prices regarding the utility
- release their computer code either by deposition in a recognized, public repository or upload as supplementary information to the publication.

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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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