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Design Optimization of Local Energy Markets

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submissions:

closed (30 April 2021)

Message from the Guest Editors

Dear Colleagues,

In recent years, an increasing number of articles have introduced local electric power and energy market concepts wherein prosumers trade in virtual or physical local markets with other prosumers and consumers, with objectives such as independence, autonomy, cost minimization, and GHG emission cost reduction. Perspectives vary from the overall system to peer-to-peer trading, but do not generally account for the market setting and rules that should allow and facilitate modeling outcomes that may actually produce a more realistic representation.

Market design considers rules for pricing, trading, contracting, and matching, as applied to market participants and the market as a whole. A good design should facilitate market efficiency, liquidity and stability, incentivize the right investments, and allow mitigating of the consequences of risk and strategic behavior.

We hereby invite papers addressing and analyzing market design concepts and issues in local energy markets.

Prof. Dr. Ruud Egging-Bratseth

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Guest Editors



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Special Issue



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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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