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Designing New Business Models and Decision Support Tools for Electricity Aggregators

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Message from the Guest Editors

Dear Colleagues,

An aggregator is a service-providing business entity that trades the energy generation or moderates the electricity consumption of a group of producers and consumption meters, often representing different geographical areas or generation technologies. Aggregators play a key role in the smooth integration of renewable energy in the power system by facilitating the participation of independent producers in the wholesale market and improving the stability/predictability of the aggregate generation profile. This Special Issue intends to explore novel business models and decision-support tools addressing the present and future needs of aggregators. We invite contributions on the following tentative list of topics:

- Optimal participation strategies in electricity markets;
- Optimization models and weather forecasting techniques for aggregators;
- Spatiotemporal balancing of renewable energy resources;
- Financial instruments for hedging volume/market risks.



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Special Issue



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Message from the Editor-in-Chief

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