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## Data-Driven Techniques for Energy Management and Power Generation

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submissions:

**closed (10 November 2020)**

### Message from the Guest Editor

The digital revolution in the energy sector is producing large volumes of data with relevant impacts on the business and functional processes of system operators, energy utilities, and grid users. The main challenge is to develop advanced data-driven methods integrating domain knowledge, which extract value from data for different domains: descriptive, predictive, and prescriptive. This Special Issue aims at encouraging researchers to address the following and related topics of interest:

- Frequency and non-frequency system services from distributed energy resources (DER)
- Energy efficiency, smart homes, and buildings
- Flexibility modelling and control of DER: standalone or combined with renewable energy sources
- Optimal combination of different energy carriers
- New business models: local energy communities, transactive energy, federated/virtual power plants, etc.
- Wholesale and retail energy markets
- Monitoring and predictive maintenance of DER
- Data privacy and economy in the energy sector



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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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