Energy Management and Smart Grids

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Deadline for manuscript submissions:
closed (30 June 2019)

Message from the Guest Editors

Smart grids allow the management of energy demand and supply in real-time. There is an urgent need for new mathematical models, innovative business models and policies for the efficient integration of distributed energy resources in power and energy systems according to the smart grid paradigm. This call aims at bringing together the latest research in the area of energy management and smart grids.

Topics of interest for this Special Issue include, but are not limited to:

- Energy management for smart grids;
- Smart grids visions of power system innovation, reliability and efficiency of the distribution grid;
- Demand and generation flexibility; DSR and applications
- Energy trading among interconnected grids;
- Control applications to distributed energy management systems;
- Stochastic optimization methods for energy management;
- Smart energy storage and load management;
- Smart cities, case studies, business models, and innovative applications;
- Emerging technologies and end-user systems.

Special Issue

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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