Advanced System Operation and Market Design in Smart Grids

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closed (15 October 2021)

Message from the Guest Editor

Our Special Issue will assess and evaluate emerging trends
in the advanced system operation and energy market
design, with a focus on smart grid. We will analyse such
issues as architecture and models (integration of
renewable sources, interconnection, smart meter),
intelligence application (AI, Big-Data, Multi-agent system),
energy management system (demand side management,
energy storage, EV, optimization technique), reliability
assessment, smart grids of the future (including their social
implications), and energy trading that is closely connected
to the principle of a sharing economy.

Potential topics include, by are not limited to:

Optimization techniques for smart grids; Intelligent multi-
agent system in smart grids; Smart grid and optimal energy
management; Demand response in microgrids; Reliability
analysis with renewables mix in smart grids; P2P energy
trading mechanism; Artificial neural networks for energy
market; Electricity pricing and bidding strategies; Price
forecasting in smart grids; Asset management in energy
market;

Special Issue

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Message from the Editor-in-Chief

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