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Energy Big Data Analytics for Smart Grid Applications

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Deadline for manuscript submissions:
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Message from the Guest Editor

More than 80% of the world's energy needs are met with fossil fuels at the cost of high CO2 emissions that accelerate global warming. Smart systems make effective decisions by performing analyses based on big data. This Special Issue focuses on the following topics: Smart grid data analytics for power generation; Smart grid data analytics for power transmission; Smart grid data analytics for power consumption; Smart grid data analytics for electricity theft detection; Smart grid data analytics for power-sharing; Smart grid data analytics for demand-side management; Smart grid data analytics for supply-side management; Smart grid data analytics for smart metering data.

- Smart grid management;
- Smart grid data visualization;
- Renewable energy, battery storage system, electric vehicle;
- Power economics;
- Prediction and classification for smart grid applications;
- Data security and privacy for smart grid applications;
- Energy policies for power generation/transmission/consumption;
- Integration of a variety of power sources;
- Machine/deep learning applications for the smart grid;
- Cloud/fog/edge computing applications in smart grids

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Message from the Editor-in-Chief

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