



## Energy Big Data Analytics for Smart Grid Applications

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Deadline for manuscript  
submissions:  
**closed (30 August 2023)**

### Message from the Guest Editor

More than 80% of the world's energy needs are met with fossil fuels at the cost of high CO<sub>2</sub> 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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