



Planning, Optimization and Capacity Management of Future Distribution Networks

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Message from the Guest Editor

Dear Colleagues,

The focus of this Special Issue will therefore be to critically assess the state-of-the-art as well as to analyze and promote innovative solutions for long-term planning and operational constraint management of future distribution networks. The purpose is to bring forth comprehensive examples of suitable demand response programs, algorithms, methodologies, and relevant case studies from all over the world. Specific topics include but are not limited to:

- Network planning;
- Capacity management;
- Data-driven algorithms;
- Forecasting and operational planning;
- Renewable integration;
- Microgrids, virtual power plants, and other aggregation techniques;
- Smart grids;
- Residential and neighborhood energy management;
- Integration of smart buildings;
- Uncertainty and risk management;
- Flexibility and demand response;
- Integration of electric vehicles (EVs);
- Integrated energy systems.



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Dr. Niyam Haque
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Special Issue



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