



Planning, Operation and Control of Microgrids: 2nd Edition

Guest Editor:

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Message from the Guest Editor

This Special Issue aims to present recent developments in the fields of planning, operation, and control of microgrids and their applications. These topics include, but are not limited to:

- Microgrid optimization, planning, and control;
- Modeling, analysis, and control of DC and AC microgrids based on renewable energy sources;
- Analysis and operation of grid-connected, isolated, and hybrid microgrids;
- Modeling and control of low-power and high-power converters for microgrids and smart grid applications;
- Integration of microgrids into the electric power system;
- Integration of electric vehicles in microgrids;
- Design of control and management strategies for microgrids and smart grids;
- Integration of energy storage systems based on batteries, supercapacitors, and superconducting coils in microgrids;
- Optimization algorithms for energy management and intelligent control of microgrids;
- Ancillary services of microgrids;
- Diagnostics, maintenance, reliability, vulnerability, and self-healing of microgrids.





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Message from the Editor-in-Chief

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