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## Planning, Operation and Control of Microgrids

Guest Editor:

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Deadline for manuscript submissions:

**closed (20 February 2024)**

### Message from the Guest Editor

This Special Issue has the aim of presenting recent developments in the planning, operation, and control of microgrids and their applications. The topics of interest 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 in the electric power system;
- Integration of electric vehicles in microgrids;
- Design of control and management strategies of microgrids and smart grids;
- Integration of energy storage systems based on battery, supercapacitor, 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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# Special Issue



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## Message from the Editor-in-Chief

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