



Microgrids/Nanogrids Implementation, Planning, and Operation

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Message from the Guest Editors

Topics of the Special Issue include, but are not limited to:

- Implementation of control and optimization techniques in grid-connected and islanded modes;
- Peer-to-peer energy management systems in community microgrid;
- Peer-to-peer energy trading in microgrids;
- Power grid resilience enhancement through microgrid facilities;
- Self-healing strategies for resilience purpose;
- Power quality assessment and improvement;
- Microgrids transformation into virtual power plants;
- Mobility-aware vehicle-to-grid control in microgrids
- Building an (nanogrid-) integrated energy management and monitoring system;
- Maritime applications: shipboard microgrids, offshore platforms, and port electrification;
- Aerospace applications: satellite microgrids, spacecraft power systems, and moon/mars station microgrids;
- Applied IoT architecture and communication technologies for smart microgrids;
- Smart enabling technologies for the effective penetration of microgrids.

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