



Microgrids/Nanogrids Implementation, Planning, and Operation, 2nd Volume

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Message from the Guest Editors

Dear Colleagues,

Topics of interest 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 microgrids;
- Peer-to-peer energy trading in microgrids;
- Power grid resilience enhancement through microgrid facilities;
- Self-healing strategies for resilience purposes;
- Power quality assessment and improvement;
- Power converter control for microgrid operation;
- Power converter topologies for microgrid components;
- Microgrids transformed 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 and cyber security for smart microgrids;
- Smart-enabling technologies for the effective penetration of microgrids.





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Message from the Editor-in-Chief

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