

Special Issue

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

Message from the Guest Editors

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.

Guest Editors

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Prof. Dr. S. M. Mueen

Dr. Muhammad Fahad Zia

Deadline for manuscript submissions

closed (20 November 2024)



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About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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