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Energy Storage Applications for Hybrid DC/AC Microgrids

Guest Editor:

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Deadline for manuscript submissions:
closed (22 May 2019)

Message from the Guest Editor

Dear Colleagues,

This Special Issue covers the vital use of energy storage systems in microgrids, focusing on the integration of energy storage systems using different power conversion strategies. There are open discussions regarding different interesting aspects: 1) central vs. distributed energy storage, 2) collaborative operation among the different energy storage systems and 3) integration with grid-operator control systems.

This Special Issue will look for contributions in the following directions:

- Optimal sizing of hybrid energy storage systems in hybrid DC/AC grids.
- Collaborative control of energy storage systems in hybrid DC/AC grids.
- Design of control systems for enhanced transient and dynamic behavior in hybrid DC/AC grids.
- Design of alternative power converter topologies for hybrid energy storage systems.
- Impact of power converter in hybrid energy storage systems.

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Message from the Editor-in-Chief

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