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Control of Distributed Power Electronic Converters in Smart Energy Systems

Guest Editors:

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Deadline for manuscript submissions:
closed (30 May 2023)

Message from the Guest Editors

This Special Issue aims at showcasing the latest research advancements on power electronic conversion and control in smart energy systems. As guest editors, we invite you to submit a paper to this SI sharing your recent unpublished work in the field, including state-of-the-art and review discussions.

The topics of interest include, but are not limited to:

- Power converter applications in smart cities, smart grids, microgrids, and isolated power systems;
- Controls for power quality enhancement in microgrids;
- Multifunctional control of power electronics converters;
- Renewable sources and energy storage integration in low-voltage grids;
- Power sharing in AC and DC microgrids;
- Coordinated ancillary services in microgrids;
- Power theories applied to power electronics converters and systems;
- Power quality issues in offshore and marine applications;
- Control of energy conversion systems for marine applications;
- Electric mobility integration in low-voltage grids;
- Practical microgrid architectures and implementations;
- Distributed compensation in non-sinusoidal conditions.

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Message from the Editor-in-Chief

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