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Voltage Control and Protection in Power Systems

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Deadline for manuscript submissions:
closed (31 December 2022)

Message from the Guest Editors

Dear Colleagues,

In this Special Issue we aim to present theory-, simulation-, and application-oriented works discussing new advancements in the voltage control and protection of power systems, as well as topics including active and reactive power control, optimization, smart grid and microgrid voltage control, demand-side voltage control and protection, over voltage and over current, stability, fault detection methods, relays and protections, and new predictive control methods.

Topics of interest include, but are not limited to, the following:

- Voltage control and protection systems.
- Relay protection in smart and microgrids.
- Intelligent methods for detecting island modes in smart grids and microgrids.
- Energy infrastructure design to enhance reliability and resilience.
- Innovation in energy management.
- Safety and security in renewable generation.
- Smart cities and smart homes.
- Machine-learning-based techniques in control of renewable generations.
- Single- and multi-objective optimization techniques and algorithms.
- Artificial intelligence in smart grids.
- AC/DC microgrids.
- High penetration of renewable energy generations.

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Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

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