Special Issue

Efficient and Resilient DC Energy Distribution Systems

Message from the Guest Editors

This Special Issue focuses on the discussion of challenges and the presentation of emerging technologies for the protection of DC energy systems against both internal and external disturbances. Topics of interest include, but are not limited to, the following:

- DC circuit breakers;
- Hybrid circuit breaker technologies;
- Transient over voltage and lightning protection;
- Coordination of DC protection devices;
- Failure mode analysis in DC protections;
- Solid-state circuit breaker technologies;
- Wide bandgap (WBG) semiconductor-based DC protection;
- Fault-tolerant DC protection systems;
- Over voltage/over current protection;
- Efficiency optimization of DC protection devices;
- Commutation mechanisms for DC protections;
- Identification of vulnerabilities in DC energy systems;
- Analysis of cyber-attack mechanisms;
- Attack detection strategies;
- Cyber-attack mitigation strategies;
- Cybersecure DC energy systems;
- Resilient control methods;
- Future trends in cybersecurity.

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About the Journal

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.

Editor-in-Chief

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