Special Issue

DC Systems

Message from the Guest Editors

DC systems facilitate the integration of renewable energy (e.g., solar, wind), co-generation power sources, different loads and energy storage systems with improved power reliability and efficiency. DC distribution power systems with intelligent ICTs have great potential to create more flexibility in managing local demand and generation, as well as stimulating consumers to actively participate in the electricity market. Papers are solicited especially on the following topics regarding DC systems:

- DC microgrids for transportation electrification
- Powering residential, commercial, and industrial spaces
- DC distribution grids and DC flexible links
- Integration of distributed energy resources and storage systems
- DC protection and safety
- Power control and routing
- Energy exchange and ancillary services
- DC-powered equipment and appliances
- DC-powered PHEV/EV interconnections of EV with DC microgrids
- Components and devices for DC systems

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Deadline for manuscript submissions

closed (15 January 2018)

Energies

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 7.3

mdpi.com/si/8016

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Message from the Editor-in-Chief

Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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