Topical Collection

Review Papers on Electrical Power and Energy System

Message from the Collection Editors

While in the past, power generation was concentrated on hydroelectric resources and on burning fossil fuels, other forms of renewable energy sources such as wind and solar power have since emerged to play a significant role in the worldwide power generation mix. This in turn is changing the electrical power grid organization into new forms such as nanogrids, microgrids, DC microgrids, autonomous, islanded, and remote networks. Furthermore, new protection and control schemes have been designed or updated to face the advent of distributed energy grids to guarantee full operation and flexibility in AC/DC microgrids. The ongoing paradigm change is also raising serious concerns with regard to cyberattacks on future smart power systems, which rely heavily on a complex communication infrastructure to optimize distributed generation resources at different levels of integration and network size. This Collection aims to collect review papers that contribute with a renewed perspective in the area of electrical power and energy systems.

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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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