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Advanced Topics in Electrical Power Engineering

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Message from the Guest Editor

Dear Colleagues,

The purpose of this Special Issue is to publish a set of articles on all aspects of modeling, operation, control, and planning of power plants and power systems, including dynamic interactions between power plants and power systems, constraint and security control aspects, tools and methods for control system design and optimization, test and documentation, real-time simulation, and dispatching.

To guaranty robust, secure, and optimum operation of future power systems, the development and application of tools and methods such as modern control theory, computational intelligence techniques, and modeling of uncertainties are also important aspects that will be addressed by this Special Issue.

Papers on the optimal control and management of small and large decentralized units based on renewable resources such as water, wind, sun, and biomass, the concepts of smart grid, virtual power plant, and cyber physical energy systems are also welcome in this Special Issue.

Dr. Attila Magyar

Guest Editor



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Special Issue



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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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