Special Issue

Cyber-Physical Systems for Smart Grids

Message from the Guest Editor

This Special Issue aims to publish articles that provide novel insights, theories, and solutions for smart grids viewed as cyber–physical systems. The subject areas may range from methods for the analysis of complex energy systems, where advanced mathematics and measurement techniques are used to tackle the complexity of future smart grids stemming from renewable generation, from the management of flexibility and storage, to vehicle-to-grid challenges, and planning and scheduling under increased uncertainty, to name a few. Prof. Dr. Tamás Keviczky

Keywords: Cyber-Physical Systems;Smart Grids; Energy Conversion and Storage; Power-to-X Concept; Electric Vehicle Charging; Microgrids; Heat-, Power- and Gas-networks; Renewables; Distribution; Digitalization; Data Analytics; Control Systems; Algorithmic Design; Optimization, Planning, and Scheduling in Smart Grids.

Guest Editor

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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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