Special Issue

Smart Grids: Operation, Planning, and Management II

Message from the Guest Editor

While much effort is devoted to smart grid studies, there is a pressing need to develop and innovate frameworks for optimal operation, planning and management of smart grids. Such frameworks recognize the synergies among the smart grid technologies and optimize their interactions to benefit the smart grid and its energy entities. This Special Issue invites researchers from academia and industry to bring together innovative developments, challenges and solutions in the field of smart grids' operation, planning and management. Potential topics include, but are not limited to:

- Novel optimization algorithms for operating and planning smart electric grids;
- Micro-grids and state-of-the-art methods for their optimization and control; Innovative energy management strategies and practices for efficient use of distributed energy sources in smart grids;
- Smart grids: Technologies, management, big data analytics, communications, security and privacy;
- Artificial intelligence and machine learning;
- Reliability analysis of smart grids;
- Economics of smart energy systems and technologies;
- EVs and transportation electrification.

Guest Editor

Dr. Mahmoud Ghofrani
School of Science, Technology, Engineering and Mathematics (STEM), University of Washington, Bothell, WA, USA

Deadline for manuscript submissions

closed (12 June 2023)

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Energies
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
energies@mdpi.com

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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.

Editor-in-Chief

Prof. Dr. Enrico Sciubba
Department of Mechanical and Industrial Engineering, University Niccolò Cusano, 00166 Roma, Italy

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