Special Issue

Planning and Economics of Electric Energy Systems

Message from the Guest Editor

Dear colleagues, In recent decades, there has been an important increase in the use of renewable energy sources aiming at reducing the greenhouse gas emissions. In this vein, many countries are still implementing new actions to further reduce these emissions, such as the progressive replacement of combustion-engine vehicles by electric vehicles, the transition to fully renewable electric energy systems, and the development of new technologies that allow storinf energy in large quantities. All these actions will change the way that electric energy systems are operated, both from a technical and a economical point of view. Thus, new approaches are needed for the planning and economics of future electric energy systems.

Topics of interest for this Special Issue include but are not limited to the following:

- Transmission expansion planning to enable a high penetration of electric vehicles and renewable energies;
- Generation expansion planning in fully renewable electric energy systems;
- Generation and tranmission expansion planning in power systems considering storage facilities;
- New methods to account for uncertainties in the planning and economics of electric energy systems.

Guest Editor

Prof. Dr. Luis Baringo

Escuela Técnica Superior de Ingeniería Industrial, Universidad de Castilla-La Mancha, Campus Universitario s/n, 13071 Ciudad Real, Spain

Deadline for manuscript submissions

closed (20 April 2021)

Energies

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 7.3

mdpi.com/si/34264

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

mdpi.com/journal/energies

Energies

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 7.3

mdpi.com/journal/energies

About the Journal

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

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, RePEc, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank:

CiteScore - Q1 (Control and Optimization)