Special Issue

Electric Vehicle Charging Technologies and Trends

Message from the Guest Editors

Electric vehicles (EVs) have the potential to help achieve to global climate change targets by reducing greenhouse gases and carbon emissions. EVs, on the other hand, require adequate charging infrastructure. The EV-charging infrastructure is part of the power grid system, and it affects it significantly. This Special Issue mainly focuses on new trends in EV charging technologies, including demonstration, regulation, standards, and social influences. We invite original papers on any of the following topics, but are not limited to:

- Operational, planning, market, and policy issues related to:
  - Mobile charging service;
  - Fast charging stations;
  - Battery swapping stations;
  - Dynamic wireless charging.
- Grid support services utilizing these charging technologies.
- Cost–benefit analysis for various charging infrastructures.

Guest Editors

Dr. Mostafa Shaaban

Prof. Dr. Ahmed Osman

Dr. Hatem Faiz Sindi

Deadline for manuscript submissions

closed (20 April 2022)

Energies

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 7.3

mdpi.com/si/97492

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)

MDPI