



energies



an Open Access Journal by MDPI

Electric Vehicle Charging Networks

Guest Editor:

Prof. Dr. Kari Tammi

Department of Mechanical
Engineering, Aalto University,
Espoo, Finland

kari.tammi@aalto.fi

Deadline for manuscript
submissions:

30 September 2021

Message from the Guest Editor

Dear Colleagues,

Global warming accompanied by the energy crisis and environmental degradation have triggered a paradigm shift from the use of vehicles driven by internal combustion engines (ICEs) to electric vehicles (EVs). Driving range anxiety is associated with EVs as their range is lower than the range of ICE vehicles. Thus, the large-scale deployment of EVs calls for the development of sustainable and easily accessible charging networks.

Hence, this Special Issue seeks to contribute to promoting the EV charging network agenda through illuminating the scientific and multidisciplinary knowledge regarding different aspects of charging station deployment. Topics of interest for this publication include, but are not limited to:

- Charging technologies for EVs
- Impact of charging networks on the power grid
- Charging station placement
- Algorithms for planning of charging station networks
- Interaction of charging stations with grids (G2V and V2G)
- Scheduling of charging activity in charging station networks
- Smart charging
- Big data analytics in charging station networks
- Renewable energy integrated charging stations



mdpi.com/si/44267

Special Issue



energies



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and
Aerospace Engineering,
University of Roma Sapienza, Via
Eudossiana 18, 00184 Roma, Italy

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.

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, AGRIS, Inspec, CAPlus / SciFinder, and many other databases.

Journal Rank: [CiteScore](#) - Q1 (*Control and Optimization*)

Contact Us

Energies
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
Fax: +41 61 302 89 18
www.mdpi.com

mdpi.com/journal/energies
energies@mdpi.com
[@energies_mdpi](https://twitter.com/energies_mdpi)