



energies



an Open Access Journal by MDPI

Advances in Electric Vehicle Wireless Charging Systems

Guest Editors:

Prof. Dr. Zhihui Wang

School of Automation,
Chongqing University, Chongqing
400044, China

Dr. Xiaofei Li

School of Automation,
Chongqing University, Chongqing
400044, China

Deadline for manuscript
submissions:

closed (15 July 2022)

Message from the Guest Editors

The Guest Editor would like to invite you to submit your research achievements to a Special Issue of *Energies*, titled “Advances in Electric Vehicle Wireless Charging Systems”. Wireless power transfer (WPT) technology has been undergoing rapid development in recent decades. Because it can provide electronic devices with a more flexible and convenient power supply, it has found many applications in EV charging, implantable biomedical device charging, consumer electronics wireless charging, etc. This Special Issue will focus on the most recent achievements in EV charging. Topics of interest for publication include, but are not limited to, the following:

- Wireless charging for electronic vehicles;
- Wireless power transfer for industrial vehicles, such as automatic guided vehicles;
- Dynamic wireless power transfer (DWPT);
- Compensation circuit topology for wireless power transfer;
- Magnetic coupler design for wireless power transfer;
- High-frequency power converters;
- Capacitive coupler design for wireless power transfer;
- Soft-switching technique in resonant circuit;
- Safety issues in wireless power transfer;
- Improvement of power transfer efficiency.



mdpi.com/si/102566

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, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank: CiteScore - Q1 (*Engineering (miscellaneous)*)

Contact Us

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

Tel: +41 61 683 77 34
www.mdpi.com

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