



*energies*



an Open Access Journal by MDPI

## Wireless Charging Technology for Electric Vehicles II

Guest Editors:

**Prof. Dr. Kai Song**

School of Electrical Engineering and Automation, Harbin Institute of Technology, Harbin 150001, China

**Prof. Dr. Xian Zhang**

State Key Laboratory of Reliability and Intelligence of Electrical Equipment, Hebei University of Technology, Tianjin 300387, China

**Dr. Jinhai Jiang**

School of Electrical Engineering & Automation, Harbin Institute of Technology, Harbin 150001, China

Deadline for manuscript submissions:

**closed (29 February 2024)**

### Message from the Guest Editors

This Special Issue aims to publish the most up-to-date, original developments in wireless charging systems for transportation applications. Original research, practical contributions, surveys, and state-of-the-art tutorials are welcome.

Topics of interest include (but are not limited to):

- Static/dynamic wireless charging for electric vehicles;
- Magnetic coupler/pad modelling, simulation, and design;
- Converter topologies and control schemes;
- Foreign object detection, living object protection and position detection;
- Electromagnetic interference and electromagnetic compatibility issues;
- Wireless charging for train and metro, robotics, and automatic guided vehicle;
- Wireless charging for unmanned underwater vehicles and unmanned aerial vehicles;
- Magnetic shielding in wireless charging systems;
- All other relevant technologies such as measurement, communication, modelling and control, compensation topologies, integrated circuits, and other technologies.



[mdpi.com/si/182726](https://mdpi.com/si/182726)

**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 (Control and Optimization)

## Contact Us

---

*Energies* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/energies](http://mdpi.com/journal/energies)  
[energies@mdpi.com](mailto:energies@mdpi.com)  
[X@energies\\_mdpi](https://twitter.com/energies_mdpi)