

Special Issue

Wireless Power for Electric Vehicles

Message from the Guest Editor

Wireless power transfer (WPT) technology is one of the most emerging and promising technologies with most highly expected market impacts in automotive industries. The WPT technologies for electric vehicle can provide ultimate convenience, safety, and economic benefit with recent new technologies such as autonomous driving, sensor technologies, and communication technology. This Special Issue will focus on emerging wireless power transfer technology for electric vehicle. Topics of interest for publication include, but are not limited to:

- Inductive and capacitive wireless power transfer
- Microwave power transmission for electric vehicle
- Wireless power for autonomous driving and intelligent transportation system
- High-efficiency rectifying circuit and amplifier
- Electric motor using wireless power
- Power devices and high power design for wireless power transfer
- Static and dynamic wireless charging for electric vehicles, bikes, and trains
- EMI/EMF issues on wireless power transfer
- Wireless power using renewable energies
- Control and communication for wireless power transfer

Guest Editor

Prof. Dr. Seungyoung Ahn
Cho Chun Shik Graduate School of Green Transportation, Korea
Advanced Institute of Science and Technology, Daejeon, Korea

Deadline for manuscript submissions

closed (31 October 2019)



Energies

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 8.3



mdpi.com/si/20313

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

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





Energies

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 8.3



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