Special Issue

Wireless Charging System for Electric Vehicles

Message from the Guest Editor

This Special Issue aims to present and disseminate the most recent advances related to the previous presented field. Nonetheless, wireless charging for EVs is not limited to cars or higher power vehicles. Topics of interest for publication include, but are not limited to:

- Opportunities and feasibility of dynamic and quasi-dynamic IPT systems (industrial, highways, low traffic, controlled movement, stop and go), interoperability.
- High-order resonant configurations and/or multiple coupling systems for wireless charging in EVs.
- Sizing vs energy transfer capability for DIPT.
- Tolerance in IPT systems.
- Wireless charging systems for underwater and airborne EVs.
- Artificial Intelligence in wireless charging systems for EVs.
- Integration of communication networks with wireless charging for electrical mobility.
- High-Power IPT applications.
- Configuration topologies for DIPT system feeding arrangements.
- Trends and critical updates for related standards.

Guest Editor

Dr. Marina Perdigão
1. IPC-ISEC, DEE, Polytechnic Institute of Coimbra, 3030-290 Coimbra, Portugal
2. Instituto de Telecomunicações, 3030-290 Coimbra, Portugal

Deadline for manuscript submissions

closed (28 August 2024)

Energies

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 7.3

mdpi.com/si/152459

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