

Special Issue

Wireless Power Transfer for Electric Vehicles

Message from the Guest Editor

This Special Issue endeavors to investigating recent advances and the envisioned future in wireless power transfer for electric vehicles. Topics of interest for publication include but are not limited to:

- Challenges and control in EV wireless charging.
- Investigations into Wi-Fi communication for EV wireless charging.
- Modeling and analysis of wireless power transfer.
- Wireless power transfer topologies.
- Design, simulation, and implementation of converters for EV wireless charging.
- Investigations into vehicle-to-grid (V2G) possibilities/smart wireless charging.
- Foreign object detection for dynamic wireless charging of EV.
- Vehicle alignment systems for wireless chargers.
- Multi-objective optimization for dynamic wireless charging.
- Wireless powered ultra-high-speed trains.
- Dynamic wireless charging systems.
- Electric vehicle wireless charging policy.
- WPT Human exposure effects.
- Design of magnetic coupling stages for wireless power transfer.

Guest Editor

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Deadline for manuscript submissions

closed (16 September 2022)



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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.

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