



Wireless Charging for Electric Vehicles

Guest Editors:

Prof. Dr. Pedro Roncero-Sanchez

Electrical and Electronic Engineering and Control Systems, University of Castilla-La Mancha, Ciudad Real, 13071 Ciudad Real, Spain

Dr. Javier Vázquez

Research Lab of Industrial Electronics and Power Quality, Universidad de Castilla-La Mancha, 13001 Ciudad Real, Spain

Deadline for manuscript submissions:

closed (31 December 2019)

Message from the Guest Editors

The objective of this Special Issue is to publish the most recent theoretical and practical research results of wireless power transfer applied to the charge of electric vehicles, preferably with a focus on the latest standard SAE-2954. The topics of interest include, but are not limited to, the following technical areas:

- Wireless power transfer topologies for charging electric vehicles (inductive, capacitive, etc.).
- Design of magnetic coupling stages for wireless power transfer.
- Control design of wireless power transfer systems applied to the charge of electric vehicles.
- Resonant topologies, resonant converters, and power electronics.
- Modeling and simulation of in-motion wireless charging for electric vehicles, or OLEV (on line electric vehicles).
- Modeling, analysis, and simulation of bidirectional wireless power transfer systems applied to the vehicle-to-grid (V2G) concept.
- Vehicle alignment systems for wireless chargers.

Welcome to contribute!





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Editor-in-Chief

Prof. Dr. Flavio Canavero

Department of Electronics and
Telecommunications,
Politecnico di Torino, 10129
Torino, Italy

Message from the Editor-in-Chief

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Electronics Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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