



Wireless Charging for Electric Vehicles

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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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Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

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