

Special Issue

Charging Infrastructure for Electric Vehicles

Message from the Guest Editor

Electric vehicles have very strong sustainability potential. In urban traffic, due to their beneficial effect on the environment, electric vehicles are an important factor in the improvement of traffic and more particularly in developing a healthier living environment. They must be supplied with clean and sustainable electric energy, for which charging infrastructure is needed. This Special Issue will focus on current and future developments in the field of conductive charging infrastructure, which is the prevalent technology in use, addressing the newest developments and going beyond the state-of-the-art. The aspects to be covered are thus quite wide, encompassing technical, economical, and ecological issues concerned with the charging process including system design, operation of the smart grid with bidirectional energy flow, business exploitation, etc. Prospective authors are invited to submit original contributions/articles for review and for possible publication in this Special Issue.

Guest Editor

Prof. Dr. Peter Van den Bossche

MOBI—Electromobility Research Centre, Department of Electrical Engineering and Energy Technology, Faculty of Engineering Sciences, Vrije Universiteit Brussel, 1050 Brussel, Belgium

Deadline for manuscript submissions

closed (2 August 2019)



World Electric Vehicle Journal

an Open Access Journal
Published by MDPI

Impact Factor 2.6
CiteScore 5.0



mdpi.com/si/22602

World Electric Vehicle Journal
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
wevj@mdpi.com

mdpi.com/journal/

[wevj](https://wevj.mdpi.com)





World Electric Vehicle Journal

an Open Access Journal
Published by MDPI

Impact Factor 2.6
CiteScore 5.0



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



About the Journal

Message from the Editor-in-Chief

The *World Electric Vehicle Journal* is the official journal of the World Electric Vehicle Association (WEVA) and its members the European Association for Electromobility (AVERE), the Electric Drive Transportation Association (EDTA), and the Electric Vehicle Association of Asia Pacific (EVAAP). Since its foundation in 2007, the journal has aimed to provide a publishing platform for the academic and industrial world to share the latest developments and knowledge about electric vehicles. If you are developing Electric, Plug-in Hybrid, Hybrid Electric, or Fuel Cell Vehicles, we cordially invite you to consider us as the place for you to publish your latest results and innovations.

Editor-in-Chief

Prof. Dr. Joeri Van Mierlo

MOBI—Electromobility Research Centre, Department of Electrical Engineering and Energy Technology, Faculty of Engineering Sciences, Vrije Universiteit Brussel, 1050 Brussel, Belgium

Author Benefits

High Visibility:

indexed within Scopus, ESCI (Web of Science), Ei Compendex, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Electrical and Electronic) /
CiteScore - Q2 (Automotive Engineering)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 17.6 days after submission; acceptance to publication is undertaken in 2.9 days (median values for papers published in this journal in the first half of 2025).