

Special Issue

Development towards Vehicle Safety in Future Smart Traffic Systems

Message from the Guest Editors

Road traffic accidents are a major public challenge on a global scale. Due to the existence of many uncontrollable factors (poor and various driving environments, etc.), road traffic accidents will continue to exist in the future for a long time. Deep mining and evaluation of accident data, quantifying the risk of injury to traffic participants in dangerous scenarios, incorporating automotive active and passive safety technologies. Build integrated collaborative protection technology to achieve the best protection for traffic participants inside and outside the automobile. Artificial intelligence (AI) and machine learning (ML), Simulation and Optimization for Automotive Safety Applications, including reliability and system safety applications, (such as reliability modeling, uncertainty quantification, failure prognostics, and system design optimization), predictive or prescriptive, preventive maintenance, and big data analytics. Build automotive safety system development and verification technology system to achieve multi-dimensional measurement of automotive safety.

Guest Editors

Prof. Dr. Zhenfei Zhan

School of Mechatronic and Vehicle Engineering, Chongqing Jiaotong University, Chongqing, China

Dr. Yongjun Pan

College of Mechanical and Vehicle Engineering, Chongqing University, Chongqing 400030, China

Deadline for manuscript submissions

closed (31 December 2023)



World Electric Vehicle Journal

an Open Access Journal
Published by MDPI

Impact Factor 2.6
CiteScore 5.0



mdpi.com/si/160190

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).