

Special Issue

Advanced X-by-Wire Technologies in Design, Control and Measurement for Vehicular Electrified Chassis

Message from the Guest Editors

Advanced X-by-wire technologies for vehicular electrified chassis play an essential role in the development of new energy intelligent vehicles, which is the inevitable choice for intelligent vehicles in the future. This technology is involved in mechanical engineering, electronic and electrical engineering, computer technology, control engineering, signal processing, and artificial intelligence. Advanced electrified chassis control technology transmits control signals through cables and acts directly on the actuator to implement corresponding actions. The application of X-by-wire technologies for vehicular electrified chassis has changed the complex mechanical connections among actuators and hydraulic and pneumatic equipment in the past, greatly promoting energy efficiency, integration, and intelligence. This Special Issue focuses on advanced X-by-wire technologies in strong reliability design, modeling, integration control, thermal management, energy management, fault diagnosis, and fault-tolerant control with the vehicular electrified chassis.

Guest Editors

Dr. Yong Li

Prof. Dr. Xing Xu

Dr. Lin Zhang

Dr. Yechen Qin

Dr. Yang Lu

Deadline for manuscript submissions

closed (30 November 2022)



World Electric Vehicle Journal

an Open Access Journal
Published by MDPI

Impact Factor 2.6
CiteScore 4.5



mdpi.com/si/124590

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

mdpi.com/journal/

wevj





World Electric Vehicle Journal

an Open Access Journal
Published by MDPI

Impact Factor 2.6
CiteScore 4.5



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 (Transportation Science and Technology) /
CiteScore - Q2 (Automotive Engineering)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 15.7 days after submission; acceptance to publication is undertaken in 3.6 days (median values for papers published in this journal in the first half of 2024).