Special Issue

Novel Electric Vehicle Technology towards Low Carbon Future: Advanced Powertrain, Energy Management and Grid Interaction

Message from the Guest Editors

Given the continued decarbonization of the global electricity supply, large-scale adoption of Electric Vehicles is increasingly important. Next-generation EV technologies represent the best smart solutions for transportation electrification and societal modernization in the 21st century. Improved EV-related technologies can maintain a clean, green environment and offer a reliable solution for air pollution and carbon emissions; furthermore, with the increase in EV-charging infrastructure, their popularity has experienced significant growth. In this new wave of EV technology development, numerous new methods and tools have emerged, increasing EV adoption in our society and thus the implementation of intelligent driving, routing, energy management, grid-connected operation, etc. In addition, emerging interdisciplinary techniques are widely used to address EV powertrain control and battery energy management under variable road conditions and during unmanned vehicle driving. It is believed that these novel technologies will further enhance driving performance and EV–grid interaction, promoting low-carbon smart cities and 100% transportation electrification.

Guest Editors

Dr. Hui Yang

Prof. Dr. Qingshan Xu

Dr. Yifei Wang

Dr. Tao Chen

Dr. Xiangjun Quan

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

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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

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