

## Special Issue

# New Trends in Electrical Drives for EV Applications

### Message from the Guest Editors

With the global concern of climatic change, many countries have set plans and strategies to ensure certain levels of CO<sub>2</sub> emissions in the future. Since internal combustion engine transportation can be considered a main source of pollution, electric vehicles (EVs) have evolved in the last few decades as a possible replacement. Electrical drive systems are the heart of EV powertrains. In this Special Issue, we invite you to contribute your research work in the field of application of electrical drives in EVs. Major topics include but are not limited to:

- Multi-phase machines designed and controlled for EV and more electric transportation;
- Efficient control techniques of electric machines;
- Onboard and integrated onboard charger design and implementation;
- Special machine topologies;
- Advance power converter topologies and control methods for EV applications.

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### Guest Editors

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### Deadline for manuscript submissions

closed (31 December 2025)



## World Electric Vehicle Journal

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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.

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### Editor-in-Chief

Prof. Dr. Joeri Van Mierlo

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