

## Special Issue

# On-Board and Off-Board Power Electronics for EVs

### Message from the Guest Editors

The invite submissions for a Special Issue of the MDPI *World Electric Vehicle Journal* (WEVJ) entitled "On-board and off-board power electronics for EVs." Electric vehicles (EVs) are widely recognized as one of the key players in the green shift toward a less carbon-dependent industry and society. When it comes to EV technology, power electronics play a central role in multiple vehicle areas. Offboard systems like fast chargers, electric vehicle supply equipment (EVSE) active front-end, and stationary storage are characterized by plenty of power converters with multiple different characteristics, topologies, and ratings. Onboard power electronics are involved in a wide range of applications, ranging from a battery management system (BMS) to a smart traction inverter, including AC charging systems and auxiliary onboard electrical systems. This Special Issue aims to consolidate knowledge of cutting-edge emerging technologies for power electronics for EV applications. Hence, scholars, academic scientists, researchers, Ph.D. students, and professional groups are invited to submit original contributions.

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### Guest Editors

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### Deadline for manuscript submissions

closed (15 September 2022)



## 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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