



Power Electronics for Electric Vehicles

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Message from the Guest Editors

Dear Colleagues,

Recently, high-performance-power electronic converters have been widely adopted in electric vehicles. To achieve small volume, high power density, high efficiency, and lightweight, improving or proposing power electronic converter topologies and control methods is the fundamental approach. Thus, many AC-DC, DC-DC, and DC-AC converters have been proposed in the past 20 years. However, many technical issues still exist, such as high switching loss, narrow operation voltage range, large value, the volume of passive components, and so on. There is still a great amount of room for performance improvement in power converter topologies and control methods for electric vehicle applications. Thus, this Special Issue intends to highlight the latest research and demonstrate emerging topics in power electronics conversion technologies for electric vehicles.





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Message from the Editor-in-Chief

The *World Electric Vehicle Journal* is the official journal of 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 aims 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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