

## Special Issue

# Electric Vehicle Battery Pack and Electric Motor Sizing Methods

### Message from the Guest Editors

Following the future trend of decarbonizing the automotive industry over the next 15 years, many automotive OEMs and governments around the world have planned to halt the production of ICE vehicles and remove them from the market between the years 2030 and 2035. Electric vehicles (EVs) are one of the most prominent solutions for encompassing future mobility requirements, and the prominence of battery EVs powered by sustainable and clean sources is evident. Due to battery capacity, lifetime, aging, and depot are some of the prominent current issues in the research field of batteries, and the design of a proper battery pack for EVs is still an open research problem which needs to be solved in order for EVs to reach optimal functionality. Powertrain technologies, especially electric motors, are also components that need to be properly designed to reduce the energy consumption of EVs according to the specifications of each car, such as mechanical and electrical specs, driving cycles, vehicle use, charging technologies, etc.

### Guest Editors

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### Deadline for manuscript submissions

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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

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