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Design, Modelling and Control Strategies for Hybrid and Electric Vehicles

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Message from the Guest Editors

This Special Issue welcomes original research papers, review articles, and case studies related to various aspects of EV, HEV, and FCEV design, modelling, and control strategies. Potential topics of interest include, but are not limited to:

- Advanced powertrain architectures and configurations for EVs, HEVs, and FCEVs;
- Optimal battery sizing, placement, and management strategies;
- Modeling and simulation techniques for EV, HEV, and FCEV components and systems;
- Control algorithms for improving energy efficiency and range of EVs and HEVs;
- Control algorithms related to other vehicle objectives (handling, safety, thermal management);
- Vehicle-to-grid (V2G) integration and smart charging strategies;
- Thermal management and cooling strategies for e-powertrain and battery systems;
- Lightweight and structural solutions for battery, e-powertrain, and vehicle design;
- Safety and reliability aspects of EV systems;
- Economic and environmental considerations of EV, HEV, and FCEV technologies;
- Other innovative technologies on mobility related to electrification.



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Special Issue



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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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