



## Advances in Battery Electric Vehicles

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Deadline for manuscript  
submissions:

**closed (10 October 2023)**

### Message from the Guest Editors

To accomplish the envisioned goal of a carbon-free society, the traditional automotive industry is aggressively transitioning to its electrified counterpart. The prominence of battery electric vehicles powered by clean and sustainable sources is therefore evident. The potential topics of the Special Issue include but are not limited to:

- Material design for conventional and contemporary batteries;
- Electrochemical processes and electrolyte for batteries;
- Novel ideas and futuristic trends towards solid-state and sodium-ion batteries;
- State of charge estimation using data-driven and classical approaches;
- Diagnostic and prognostic modeling for health monitoring;
- Battery management systems;
- Modelling, implementation, and analysis of vehicular design;
- Safety standards;
- Marketing and economics;
- Modern trends towards electric charging infrastructure;
- Thermal management systems for batteries;
- Standards and protocols;
- Recycling of battery packs;
- Design, analysis, control, and implementation of motor drives;
- Dimensioning and design of battery packs.





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## Message from the Editor-in-Chief

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