

## Special Issue

# Control, Energy Management and Battery Management of Electric Vehicles

### Message from the Guest Editors

This Special Issue therefore aims to bring together the latest research and advancements in control, energy management, and battery management systems for electric vehicles. We invite original contributions that explore novel methodologies, algorithms, and technologies to enhance the efficiency, safety, and sustainability of EVs. **Topics of interest include, but are not limited to, the following:**

- Advanced control strategies for electric vehicle powertrains
- Intelligent energy management systems for EVs and hybrid vehicles
- Battery management techniques, including state estimation, thermal management, and fault diagnostics
- AI and machine learning applications in EV control and energy management
- Advanced hybrid modeling strategies for the energy and battery management of EVs
- Fast-charging technologies and battery degradation mitigation
- Vehicle-to-grid (V2G) and grid integration strategies
- Experimental validation and real-world applications of EV energy management

We look forward to receiving your valuable contributions to drive innovation and sustainability in the field of electric mobility.

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### Guest Editors

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### Deadline for manuscript submissions

20 September 2026



## Energies

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## About the Journal

### Message from the Editor-in-Chief

*Energies* is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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### Editor-in-Chief

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