Special Issue

Application of Emerging Techniques for Electric Vehicles: The Drive towards Green Environment

Message from the Guest Editors

The air pollution and recent climate change are severe threats to our environment and society. The major causes of air pollution come from the transportation sector, and a clean and energy-efficient transportation and green environment must be developed to minimize air pollution. Emerging techniques such as artificial intelligence (AI), machine learning (ML), and deep learning (DL) can be implemented to achieve improvements in energy storage devices. Research on safe and clean transportation is essential to improve the reliability of hybrid electric vehicles. This Special Issue will accept original research articles/reviews on novel and innovative approaches that address (but are not limited to) the following topics:

- Energy infrastructure for electrical transportation, charging systems;
- Power electronics for electric traction;
- Energy management and control systems;
- Charging infrastructure;
- AI, ML, and DL for electric vehicles;
- Optimization techniques for electric vehicles;
- Next-generation energy storage technologies;
- Hybrid electric vehicles;
- Wireless technologies for charging stations;
- Design of converters for electric vehicles.

Guest Editors

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Deadline for manuscript submissions

closed (15 June 2023)

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About the Journal

Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guestedited by leading experts in selected topics of interest.

Editor-in-Chief

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