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

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Deadline for manuscript submissions:
closed (15 June 2023)

Message from the Guest Editors

Dear Colleagues,

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:

1. Energy infrastructure for electrical transportation, charging systems;
2. Power electronics for electric traction;
3. Energy management and control systems;
4. Charging infrastructure;
5. AI, ML, and DL for electric vehicles;
6. Optimization techniques for electric vehicles;
7. Next-generation energy storage technologies;
8. Hybrid electric vehicles;
9. Wireless technologies for charging stations;
10. Design of converters for electric vehicles.

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Message from the Editor-in-Chief

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