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Fault Diagnosis and Control Technology of Electric Vehicle

Guest Editors:

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Deadline for manuscript submissions:
closed (20 August 2023)

Message from the Guest Editors

The proposed Special Issue will focus on fault diagnosis and control technology for electric vehicles. We are calling for authors around the world to share their innovative results with other researchers and related industries.

Topics of interest include, but are not limited to the following:

- Vehicle dynamics and control for EVs;
- Handling stability control for EVs;
- Lateral stability control for EVs;
- Power system control for EVs;
- Vehicle energy management system control for EVs;
- Battery state monitoring and control of EVs;
- Trajectory planning for automated EVs;
- Coordinate control for connected and automated EVs;
- Braking and energy recovery control of EVs;
- Fault-tolerant control for Evs;
- Fault detection and location in EVAs by means of current, flux, vibration, temperature, and other electrical, mechanical, and chemical variables;
- Tools for fault diagnosis: neural networks, fuzzy logic, artificial intelligence, genetic algorithms, expert systems, estimation/identification, observers, data analysis, and signal processing techniques.

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Editor-in-Chief

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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.

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