

## Special Issue

# Advanced Research in Electromagnetic Devices for Electric Vehicles

### Message from the Guest Editors

In this context, *Electronics* is proposing to bring out a Special Issue aiming to provide the reader with a better understanding of the advanced research in electric vehicles and electromagnetic devices. We invite authors to submit original research articles to this Special Issue addressing the following potential topics. The Scope will include, but is not limited to:

- Pure electric vehicles and electric drive systems;
- Independent drive/brake/steering systems;
- Vehicle noise and vibration;
- Multiple driving modes and new control systems;
- Instability mechanisms and handling stability, acceleration slip regulation, model predictive and trajectory tracking control theories for electric vehicles;
- New sensors and data collection systems;
- Artificial intelligence and driverless technology;
- Electromagnetic elements and techniques;
- Electromagnetic system design, simulation, and control.

In addition, in order to facilitate the comprehensive exchange of scholars, several open scopes of the Special Issue are provided, and mainly include:

- Mechatronic engineering;
- Electromagnetism ;
- Power electronic technology;
- Mechanical engineering and automation.

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### Guest Editors

Prof. Dr. Yan Shi

Dr. Hang Su

Dr. Xianzhi Zhang

Dr. Zhibo Sun

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### Deadline for manuscript submissions

closed (31 December 2022)



## Electronics

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Impact Factor 2.6  
CiteScore 6.1



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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.

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### Editor-in-Chief

Prof. Dr. Flavio Canavero

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### Author Benefits

#### High Visibility:

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#### Journal Rank:

JCR - Q2 (Engineering, Electrical and Electronic) /  
CiteScore - Q1 (Electrical and Electronic Engineering)

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is  
provided to authors approximately 16.8 days after  
submission; acceptance to publication is undertaken in 2.4  
days (median values for papers published in this journal in  
the first half of 2025).