

## Special Issue

# Emerging Scientific and Technical Challenges and Developments in Key Power Electronics and Mechanical Engineering

### Message from the Guest Editors

The University of Science and Technology Beijing (USTB) is one of the "211 Project", "985 Project Advantageous Discipline Innovation Platform", and "Double First Class" construction universities in China. With the motto of "Seeking Truth and Promoting Innovation", the USTB is committed to providing quality education and real-world opportunities to future generations of scholars and industry innovators. In celebration of the 70th anniversary of the USTB, this Special Issue is dedicated to the electrical and mechanical engineering research of the USTB. High-quality original technical papers or advanced review papers are welcome. Topics for the Special Issue include, but are not limited to:

- Metallurgical electrochemical technology and equipment;
- Engineering vehicle design and development;
- Intelligent mechanical engineering and control;
- Safety monitoring of new energy vehicles;
- Vehicle dynamics and optimization;
- Hydrogen energy and utilization of key technologies;
- Modern electronic materials and industrial applications;
- Advanced lightweight materials and design;
- Application of artificial intelligence and big data analysis in modern industry.

### Guest Editors

Dr. Jichao Hong

Prof. Dr. Wei Wang

Dr. Xinxu Zeng

Prof. Dr. Xiaoming Xu

### Deadline for manuscript submissions

closed (31 March 2023)



## Electronics

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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 guest-edited by leading experts in selected topics of interest.

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### Editor-in-Chief

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