

## Special Issue

# Advancement of Fault Detection and Fault-Tolerant Control with Applications

### Message from the Guest Editors

At present, with the development of artificial intelligence technology, big data mining, machine learning, deep learning, and other technologies, a large number of fault detection methods and applications as well as fault-tolerant control methods have been gradually proposed. However, these methods face challenges regarding their field application and reliability. This Special Issue aims to present research and analysis on fault detection and fault-tolerant control. This includes but is not limited to:

- Rotating machinery monitoring and vibration signal processing
- Measurement methods, technologies, and systems for equipment signals
- Fault-tolerant control
- Fault diagnosis based on interpretable deep learning
- Enhanced technology for equipment failure data
- Multi-sensor data fusion fault diagnosis
- Fault detection under unbalanced small sample conditions
- Field application effect analysis of equipment status detection method

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### Guest Editors

Prof. Dr. Nantian Huang

Prof. Dr. Zhenbing Zhao

Dr. Shu Zhang

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### Deadline for manuscript submissions

closed (31 August 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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