# Special Issue

# Advanced Control Techniques for Power Converter and Drives, 2nd Edition

## Message from the Guest Editors

This Special Issue aims to showcase the latest advancements and research findings in the domain of advanced control techniques for enhancing the performance, efficiency, and robustness of power converters and electric drives in various applications. This Special Issue will cover a wide range of topics, including but not limited to:

- **Control Algorithms:** predictive control, adaptive control, fuzzy logic control, and neural-network-based control.
- **Dynamic Modeling and Identification**
- **Optimization Objectives:** energy efficiency, improved transient response, reduced harmonic distortion, and enhanced stability.
- **Robustness and Fault Tolerance**
- **Real-Time Implementation**
- **Integration of Renewable Energy**: explore how advanced control techniques can optimize power converters and drives
- **Applications**: including motor drives, renewable energy systems, electric vehicles, industrial automation, and more.
- **Hybrid Control Approaches**

## Guest Editors

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## Deadline for manuscript submissions

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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.

## Editor-in-Chief

Prof. Dr. Flavio Canavero
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