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## Design, Modelling, and Control of Multiphase Drives for Transportation

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Deadline for manuscript  
submissions:

**closed (22 February 2023)**

### Message from the Guest Editors

The aim of this Special Issue is to share the newest research concerning the design, modelling, and control of multiphase drives and the associated power electronic topologies. The inherent potential of multiphase drives is fault-tolerance, which should be obviously encouraged.

### Keywords

- Multiphase machine design
- Fault-tolerant control strategies for multiphase drive systems
- Control under constraints of the drive
- Integrated multiphase variable speed drives
- Fault detection and identification process for multiphase drives
- PWM modulation techniques
- New multiphase topologies of power electronics
- Fault-tolerant power electronics topologies
- Impact of machine design to control strategy and vice versa
- Model predictive control
- Artificial intelligence-based control and identification for multiphase drives



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# Special Issue



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## Message from the Editor-in-Chief

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