



## Fail-Safe Electric Drives and Safety-Related Issues

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submissions:

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### Message from the Guest Editors

Dear Colleagues,

Electrical drives for transportation, civil, and industrial applications must guarantee operation in emergency conditions. In critical events, such as faults, floods, explosions, fires, and earthquakes, electric drives must be operated to prevent further damages and, very often, even to guarantee the minimal operation of the plant or of the vehicle in order to help save human lives. Electrical components and systems must be designed to operate in critical conditions or to withstand faults, extreme temperatures, and pressures.

This Special Issue is dedicated to the analysis of electric drives and drive components under these conditions and welcomes scientific contributions in this emerging area.

Topics of interest for publication include, but are not limited to the following:

- Fail-safe transformers, electrical machines, and cables;
- Multi-phase electric machines and drives;
- Magnet-less electrical machines;
- Risk assessment of electrical drives and components;
- Fire performance of powertrains and power switches;
- Electric drive diagnosis;
- Communications for emergency critical operations.





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## Message from the Editor-in-Chief

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