Special Issue

Advanced Sensing and Measurement for Multi-Domain Interactions in Electrified Transportation Systems

Message from the Guest Editors

This Special Issue aims to present and disseminate the latest advances in sensing, measurement, monitoring, modelling, and diagnostics for multi-domain interactions in electrified transportation systems. Topics of interest for publication include, but are not limited to, the following:

- The sensing and measurement of multi-domain interactions in electrified transportation systems.
- The multi-physics modelling and experimental characterization of coupled engineering phenomena.
- Electric sliding contact monitoring and diagnostics.
- Sensing and diagnostics for traction motors and drive systems.
- Thermal, electromagnetic, and mechanical interaction analysis in transport equipment.
- Intelligent condition monitoring and fault diagnosis for coupled systems.
- Signal processing and feature extraction for multi-domain measurements.
- Digital twins and data-driven methods for coupled transportation systems.
- Sensor fusion for complex state perception and health assessment.
- Reliability, durability, and safety evaluation under multi-domain coupling conditions.

Guest Editors

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Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

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