

Special Issue

Modeling and Control in Power Electronics and Electric Drives

Message from the Guest Editors

This Special Issue aims to address all subjects of scientific interest in the field of power electronics and electric drives that look both to specific applications on individual components and systems in their completeness and complexity.

Potential topics include, but are not limited to, the following:

- Numerical methods for circuit and electromagnetic field simulation;
- Loss characterization and prediction of passive components;
- Modeling, simulation for EMI analysis and reduction methods in power electronics
- Multi-physics system modeling of power converters
- Electrical and thermal modeling of power switches
- Simulation for design and optimization
- Methodologies, and instruments for model verification
- Multi-modal and Multiphysics simulation
- Real-time and HIL simulation
- Digital twining

Guest Editors

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Deadline for manuscript submissions

closed (15 June 2023)



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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

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Systems Engineering)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is
provided to authors approximately 16.4 days after
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the second half of 2024).