Special Issue

Innovations and Advancements in Parallel and Distributed Systems

Message from the Guest Editors

Suggested topics include (but are not limited to) the following:

- Scalable numerical methods and exascale algorithms
- ROMs, surrogates, and SciML for large-scale computing
- Inverse problems and data assimilation
- UQ and sensitivity in HPC simulations
- Heterogeneous and accelerated computing
- CFD and ABMS-based large-scale simulations
- Frameworks for high-performance applications
- Data distribution and scheduling in HPC
- Co-design strategies for HPC
- Simulation scalability and efficiency
- Emerging HPC architectures
- HPC/HPDA platforms for data-intensive tasks
- Benchmarking, profiling, and reproducibility
- Performance tuning and energy-aware computing
- AI/ML in high-fidelity simulations
- Data storage and movement in HPC/HPDA
- Workflow management for complex scenarios
- Visualization tools for large-scale simulations
- Fault tolerance and recovery in distributed systems
- ML/AI in hybrid and distributed setups
- CI/CD, containers, and orchestration in science workflows
- Mini-apps, proxy-apps, demonstrators use cases and benchmarking

Guest Editors

Dr. Marcin Lawenda

Dr. Harald Köstler

Prof. Dr. Christophe Prud'homme

Deadline for manuscript submissions

31 March 2026

Electronics

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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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Journal Rank:

JCR - Q2 (Engineering, Electrical and Electronic) / CiteScore - Q1 (Electrical and Electronic Engineering)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.8 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the first half of 2025).

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