

Special Issue

High-Performance Software Systems

Message from the Guest Editors

The field of software engineering is rapidly evolving, with high-performance software systems at the forefront of this technological revolution. High-performance software systems are crucial in numerous fields where efficiency and speed are paramount. From scientific research requiring massive computational power to real-time applications in healthcare and finance, the demand for optimized software solutions is ever increasing. This Special Issue aims to gather pioneering research that addresses these needs, providing valuable insights and advancements to both academia and industry. The Special Issue invites any innovative solution for a significant problem involving software systems design and implementation. We take a broad view of systems and solicit contributions from many fields of systems practice.

- High-performance networking systems;
- High-performance database systems;
- Novel data management systems;
- Security and privacy of systems;
- Availability and fault tolerance;
- AI systems and systems for AI;
- Testing and verification of large-scale systems;
- Decentralized systems;
- File systems;
- Cloud-native systems.

Guest Editors

Dr. Jinkun Geng

Dr. Xizhe Yin

Dr. Yifan Mao

Deadline for manuscript submissions

closed (15 July 2025)



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Electronics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
electronics@mdpi.com

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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 guestedited by leading experts in selected topics of interest.

Editor-in-Chief

Prof. Dr. Flavio Canavero

Department of Electronics and Telecommunications, Politecnico di
Torino, 10129 Torino, Italy

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