

Special Issue

Real-Time Networks and Systems

Message from the Guest Editors

Real-time and embedded systems are integral to a wide range of safety-critical and latency-sensitive applications—from autonomous vehicles and cyber-physical systems to mobile multimedia platforms and the industrial IoT. Research in the field of real-time networks and systems is vital to meeting the stringent requirements of modern applications that demand both computational precision and communication reliability. This Special Issue is dedicated to advancing the design, analysis, implementation, and optimization of real-time and embedded systems functioning in networked settings. We especially welcome interdisciplinary work that bridges theory and practice and proposes robust solutions for real-world deployments. Research areas may include (but are not limited to) the following:

- Real-time scheduling and task management;
- Energy-efficient computing and resource-constrained systems;
- Secure communication for time-critical applications;
- Cyber-physical systems and mixed-criticality architectures;
- Wireless sensor networks and edge computing;
- Mobile multimedia streaming and data reliability.

Guest Editors

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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.

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