

## Special Issue

# Reconfigurable Computing and Real-Time Embedded Systems

### Message from the Guest Editors

In this Special Issue, we aim to collect high-quality submissions that include the theoretical, engineering, and application aspects of real-time embedded systems and reconfigurable systems. The Special Issue will focus on (but is not limited to) the following topics:

- Real-time computing architectures
- Real-time network protocols
- Reconfigurable systems
- Dynamic partial reconfiguration
- Predictable access to shared memories, I/O devices, and accelerators
- Real-time virtualization
- Real-time robotics systems
- Resource scheduling and allocation in embedded real-time systems
- Optimization in real-time embedded and reconfigurable systems
- Hardware acceleration
- Predictable and efficient parallel applications
- Energy-and-power-aware allocation and scheduling
- Spatial and temporal isolation
- Floorplanning in FPGA
- Timing predictability for artificial intelligence
- Worst-case and probabilistic real-time guarantees

### Guest Editors

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### Deadline for manuscript submissions

closed (30 April 2022)



## Electronics

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CiteScore 6.1



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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.

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### Editor-in-Chief

Prof. Dr. Flavio Canavero

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#### 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).