



## Recent Advances of Real-Time Embedded Software Systems

Guest Editor:

### Dr. Akramul Azim

Department of Electrical,  
Computer and Software  
Engineering, Faculty of  
Engineering and Applied Science,  
Ontario Tech University, Oshawa,  
ON L1G 0C5, Canada

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submissions:

**closed (20 April 2024)**

### Message from the Guest Editor

Dear Colleagues,

To build high-confidence real-time embedded systems, verification and validation are essential to ensure that the worst cases are evaluated and/or tested. Moreover, emerging technologies such as machine learning and edge-computing-based techniques are proven to be effective to increase the performance, safety, and security of real-time embedded systems. This Special Issue focuses on (but is not limited to) the following areas:

- Design and analysis of embedded or cyber-physical software;
- Safety-critical and mixed-critical embedded software design;
- Testing, verification, and validation of real-time embedded software;
- Model-based approaches for embedded software design and testing;
- Real-time embedded operating systems and middleware;
- Scheduling for real-time embedded software systems;
- Acceleration using multi- and many-core processors;
- Resource management for embedded software design;
- Balancing performance and safety for embedded software;
- Vulnerability analysis and security of embedded software systems.





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## Editor-in-Chief

**Prof. Dr. Flavio Canavero**

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

## 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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Electronics Editorial Office  
MDPI, Grosspeteranlage 5  
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