

## Special Issue

# Recent Advances of Real-Time Embedded Software Systems

### Message from the Guest Editor

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.

### 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

### Deadline for manuscript submissions

closed (20 April 2024)



## Electronics

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*Electronics*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[electronics@mdpi.com](mailto: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 guest-edited by leading experts in selected topics of interest.

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### Editor-in-Chief

Prof. Dr. Flavio Canavero

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

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