



Recent Advances of Real-Time Embedded Software Systems

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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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Message from the Editor-in-Chief

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