

Special Issue

Real-Time Embedded Systems Simulations, Emulations and Analyses

Message from the Guest Editors

We are pleased to invite you to contribute to this Special Issue, 'Real-Time Embedded Systems Simulations, Emulations and Analyses'. This Special Issue aims to showcase recent advances in methods, tools, and evaluation frameworks that enhance our ability to design, simulate, and analyze real-time embedded systems across diverse application domains. Contributions that propose new methodologies, improve the realism or scalability of simulation and emulation environments, or present innovative case studies are particularly welcomed.

In this Special Issue, original research articles and reviews are invited. Topics of interest include, but are not limited to, the following:

- Frameworks and tools for real-time system simulation, digital twins, and timing analysis.
- Hardware/software co-design, prototyping technologies, and scalable emulation platforms.
- Modeling and evaluation of scheduling, communication, concurrency, and resource management.
- Benchmarks, verification approaches, and case studies for next-generation embedded and cyber-physical systems.

Guest Editors

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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