



Research on Networked Embedded Systems

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Message from the Guest Editors

Embedded systems are pervasive in our daily lives. They are not stand-alone anymore but networked. With advances in devices and network technologies, new vertical applications are arising, with potential societal changes. For example, 5G networks, IoT, and wireless sensors allow a new era of applications in industry 4.0, healthcare, agriculture, smart cities, etc.

The development and deployment of networked embedded systems pose new engineering challenges. New tools and approaches are needed for the (software) engineering of current (real-time) cyber-physical systems of systems. For instance, verification and validation of such systems to ensure safety and security are necessary.

- networked embedded systems
- IoT
- 5G networks
- wireless sensor networks
- validation and verification for safety and security
- machine learning
- software engineering
- systems of systems
- cyber-physical systems
- real-time systems





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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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