State-of-Art of Network Architectures and Protocols for Industrial IoT

Guest Editor:

Dr. Rute C. Sofia
fortiss GmbH, Research Institute of the Free State of Bavaria for Software-Intensive Systems, 80805 Munich, Germany

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Message from the Guest Editor

This Special Issue focuses on the debate on aspects concerning networking architectures and protocols for a global IoT, applicable both to Industrial and consumer devices, as well as the challenges that may arise in future environments.

- Architectural and evolutionary vision of IoT networking protocols and architectures, including the support of multi-party communication, QoS, integrated security, mobility, and intelligence.
- Architectural integration aspects, in particular solutions that address a better interaction between applications and infrastructure.
- Edge networking aspects for IoT optimization.
- Network performance measurements that assist in understanding the performance of current available communication protocols in a variety of scenarios.
- Design and evaluation of scenarios exploiting architectural, user-centric, and content-centric paradigms.
- Design and evaluation of decentralized edge architectures.
- Deterministic wireless solutions and scenarios.
- Protocol interoperability discussion and evaluation.
- Integration of AI on decentralized Edge environments.

Special Issue

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica,
Politecnico di Milano, Piazza L.
da Vinci 32, 20133 Milano, Italy

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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