## Special Issue

## Advances in Architecture, Protocols and Challenges in Internet of Things

## Message from the Guest Editors

Driven by digitalization, the power of Internet of Things (IoT) is being unleashed. Considering the vast amount of smart devices\connected to IoT, determining how to collect and aggregate massive sensed data and transmit them to users' data centers is increasingly critical. However, it is more important to analyze and process these raw data to abstract more valuable information in order to make reasonable decisions. Unfortunately, many issues and challenges remain unsolved or are yet to be fully addressed due to the unique features and complex application scenarios of IoT systems. Firstly, IoT requires more appropriate architecture to meet the ultra-high speed, ultra-low latency, and ultra-large connection characteristics of 5G, such as a knowledge and service oriented, a content-driven architecture. Secondly, designing efficient protocols to cater to the demand of edge computing and artificial intelligence is extremely challenging.

The goal of this Special Issue of Applied Sciences is to feature the latest advances and directions in IoT architecture, protocols and challenges for typical applications, their performance, demands and implications on future network design.

## **Guest Editors**

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## Deadline for manuscript submissions

closed (31 January 2024)



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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 multidimensional network.

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