

Special Issue

Challenges, Opportunities and Applications of Internet of Things (IoT)

Message from the Guest Editors

With the rapid advancements in the IoT, it is vital to disseminate knowledge among the research community and stakeholders to adopt new trends and advancements. Therefore, we invite colleagues in the research community and from industry to disseminate their novel contributions to the domain of IoT and IoT-enabled environments, with a special focus on, but not limited to, the following:

- AI-empowered innovative solutions for IoT;
- Developing and building new models and architectures for the IoT;
- Ultra-reliable low latency communications (URLLC) in the IoT;
- Machine-learning-based smart IoT solutions;
- Decision support systems for IoT;
- Role of IoT in digital twin modelling;
- Cloud-based IoT solutions;
- Data mining techniques for IoT-enabled environments;
- Industrial Internet of Things;
- Internet of Medical Things;
- IIoT for regulatory and supervisory control systems;
- Energy harvesting and energy budgeting in the IoT;
- Data routing in IoT;
- IoT-enabled cyberphysical systems;
- Big data analytics and process optimization;
- Cutting-edge technologies in IoT;
- Performance, scalability, and reliability in the IoT.

Guest Editors

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Dr. Mohsin Raza
Dr. Muhammad Awais

Deadline for manuscript submissions

closed (20 June 2025)



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About the Journal

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.

Editor-in-Chief

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