Special Issue

IoT and AI for Wireless Communications

Message from the Guest Editors

The exponential expansion of the Internet of Things (IoT) across diverse sectors has facilitated the widespread integration of Artificial Intelligence (AI) in numerous domains, encompassing intelligent systems, computational capabilities, and communication networks. This Special Issue aims to emphasize theoretical advancements and innovative research and development in the fields of intelligent Internet of Things (IoTs) and artificial intelligence (AI)-based wireless communications. The areas of focus encompassed within this study comprise, although are not restricted to:

- 6G massive IoT;
- Ultra-massive Machine-type Communications (MTC);
- Cross-layer PHY-MAC protocol for massive MTC;
- NOMA-ALOHA for massive IoT;
- Low cost and energy efficiency IoT;
- IoT System, Architecture, Protocols, and Intelligence;
- 6G and intelligent wireless communications;
- AI-based channel estimation;
- AI Algorithms and applications for wireless communications;
- AI-based IoT and 6G wireless communications;
- Machine learning for wireless communications;
- Reinforcement learning for energy-efficient IoT.

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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.

Editor-in-Chief

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