



## IoT and AI for Wireless Communications

Guest Editors:

**Dr. I Nyoman Apraz  
Ramatryana**

Institute for Digital  
Communications, Friedrich-  
Alexander University Erlangen-  
Nürnberg, 91058 Erlangen,  
Germany

**Prof. Dr. Soo Young Shin**

Department of IT Convergence  
Engineering, Kumoh National  
Institute of Technology, Gumi  
39177, Republic of Korea

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### Message from the Guest Editors

Dear Colleagues,

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 (IoT) 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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## 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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*Applied Sciences* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

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