IoT, Artificial Intelligence and Metaverse: Applications and Challenges

Guest Editors:

Prof. Dr. Zhangbing Zhou

Prof. Dr. Patrick Hung

Prof. Dr. Xiao Xue

Dr. Yuzhu Wang

Deadline for manuscript submissions:
closed (30 June 2023)

Message from the Guest Editors

Researchers have been advancing the theory, operation, and applications of the Internet of Things, artificial intelligence and Metaverse. IoT plays an important role in ubiquitous smart objects interacting and exchanging data to improve people's quality of life. AI based on deep learning and big data has been used in natural language processing, image recognition, etc. Metaverse integrates the real world with the virtual world by using virtual reality and augmented reality. Research on how IoT and AI can make a valuable contribution to the Metaverse is needed.

The Special Issue aims to encourage researchers to study advanced methods, key technologies and vital applications of IoT, AI and Metaverse. Topics of interest include, but are not limited to:

- Crowd intelligence and service ecosystems
- Service intelligence framework in the cyber-physical-social Metaverse
- Virtual–reality interaction for Metaverse service intelligence
- Deep/federated-learning-based Metaverse service intelligence
- Cloud/edge computation for IoT networks
- Intelligent system modeling and optimization
- Intelligent IoT pattern recognition
- Applications and use cases

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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