Applications of Artificial Intelligence in Future Wireless Communication Systems

Guest Editors:

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Deadline for manuscript submissions:
closed (15 June 2024)

Message from the Guest Editors

This Special Issue encourages the submission of high-quality, innovative, and original contributions to future wireless communication systems, focusing particularly on the use of AI, deep learning, machine learning, and big data in wireless communications.

The list of possible topics includes but is not limited to the following:

Artificial intelligence for the convergence of communications, storage, and computing resources;

Distributed artificial intelligence and federated learning in wireless networks;

Internet of Things (IoT) and Industrial IoT applications in wireless communications;

Low latency in wireless networked control systems;

Cloud and fog computing-based radio access networks;

Wireless networks with multidimensional radio access;

Optimization of communication;

Novel design of deep-learning, machine-learning, pattern recognition and convolutional neural network (CNN) approaches for wireless system applications;

AI and wireless communication in healthcare;

Healthcare and AI

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Special Issue

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Message from the Editor-in-Chief

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