Special Issue

AI Used in Mobile Communications and Networks

Message from the Guest Editors

The continuous development of mobile communication and networks has connected everyone into the intelligent connections of all things. With the advent of the 5G/B5G era, mobile communication networks have grown more sophisticated, driving the critical need for intelligent network management, efficient resource allocation, and ultra-reliable low-latency communication. Artificial Intelligence (AI) techniques, well known in computer science disciplines as powerful tools to solve complex problems, are beginning to be applied in wireless communications to promote intelligent communication and spawn many new services. Therefore, with the joint promotion of big data, deep learning, and computing power, applying AI technology to mobile communication networks mobile communication networks has opened new research opportunities. In this Special Issue, we are particularly interested in the problems and challenges of AI applied to mobile communication networks, optimization methods, solutions, new technologies, theories, and network security.

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