# **Special Issue**

### Edge Learning and Big Al Model in Wireless Communication and Networking

Message from the Guest Editors

Due to the explosive growth of data traffic in Internet-of-Thing (IoT) systems, machine learning and data-driven approaches are expected to become a key enabler to fuel the development of beyond 5G (B5G) wireless networks. Standard machine learning approaches require centralizing the training data on a single data center such as a cloud. However, due to privacy constraints and limited communication resources for data transmission, it is impractical for all wireless devices to transmit all of their collected data to a data center that can use the collected data to implement centralized machine learning algorithms for data analysis and inference. This has led to the emergence of a fast-growing research area, called edge learning, which can deeply integrate the two major areas: wireless communication and machine learning. Recently, the big Al model (or foundation model) has received a lot of attention, which is an emerging paradigm for building a unified machine learning system based on a generic class of AI models. We welcome researchers from academia and industry to introduce to the communications community the latest advances in edge learning and big Al models.

#### **Guest Editors**

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**Deadline for manuscript submissions** closed (15 July 2024)



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#### Editor-in-Chief

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