Special Issue

Advanced Mobile Edge Computing in 5G Networks

Message from the Guest Editors

In recent years, there have been a large number of technological breakthroughs and transformative applications driven by the mobile internet, especially 5G technology. Among them, mobile edge computing (MEC) has emerged as a key paradigm, leveraging the capabilities of 5G networks to revolutionize the way data are processed and utilized. The foundation laid by 5G technology, with its unprecedented bandwidth and ultra-low latency, provides fertile ground for MEC to flourish. By bringing computing resources closer to the data source, MEC minimizes latency and improves the overall user experience. The synergies between 5G and MEC offer myriad opportunities in various technical fields such as artificial intelligence (AI), machine learning (ML), autonomous vehicles, Blockchain, caching, smart sensing, semantic communications, and holographic communications. This dynamic convergence of 5G and MEC is reshaping the technology landscape, propelling us toward a future characterized by seamless connectivity, fast information processing, and an unparalleled level of interaction.

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