



Applications of Edge Computing in Mobile Systems

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Deadline for manuscript
submissions:

15 November 2024

Message from the Guest Editors

Dear Colleagues,

Edge computing represents a transformative approach in data processing and network design, particularly impacting mobile systems. This technology shifts computation and data storage closer to the location where it is required, thus minimizing latency and conserving bandwidth. In the rapidly changing world of mobile technology, edge computing has become a key advancement, especially for delay-sensitive applications that require quick data processing. Mobile systems, including everything from autonomous vehicles to augmented reality, depend heavily on performing computationally demanding tasks within strict time limits. Due to the limited processing power of mobile devices, these tasks might experience significant delays.

Edge computing tackles this bottleneck by positioning computing servers at the network edge. This arrangement not only accelerates processing, but also drastically lowers latency when compared to cloud-based systems, enhancing the efficiency of mobile experiences. This Special Issue aims to gather innovative and original contributions concerning novel architectures, analyses, designs, and prototypes for mobile edge computing.





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Message from the Editor-in-Chief

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