Special Issue

Applications of Edge Computing in Mobile Systems

Message from the Guest Editors

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.

Guest Editors

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Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

Editor-in-Chief

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