Special Issue

Sensing and Mobile Edge Computing

Message from the Guest Editor

In order to keep up with the rapid pace of human life, sensing technology integrated with wireless networks has to overcome many issues regarding communications (e.g., short communication range, security, privacy, reliability, mobility, etc.), and resources (e.g., power considerations, storage capacity, processing capabilities, bandwidth availability, etc.). As a promising edge technology, mobile edge computing (MEC) is seen as the solution for this. On the one hand, mobile edge computing provides an IT service environment and cloud computing capabilities at the edge of the mobile network, within the radio access network (RAN) and in close proximity to mobile subscribers. On the other hand, MEC connects the user directly to the cloud service-enabled edge network. Deploying MEC at the base station enhances computation and avoids bottlenecks and system failure. In addition, recently, artificial intelligence (AI) is undergoing a sustained success renaissance as it can substantially improve networks' cognitive performance and intelligence, thereby contributing to fully unleashing the potential of big data.

Guest Editor

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Message from the Editor-in-Chief

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