



IEEE 7th World Forum on Internet of Things
20-24, June 2021//New Orleans, Louisiana, USA

Theme: The Impact of Artificial Intelligence on IoT

Workshop on Mobile Edge Computing and Data Analytics for IoT
(in conjunction with WF-IoT 2021, co-sponsored by IEEE ComSoc AHSN TC)

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Paper Submission Guidelines
<p>All final submissions should be written in English with a maximum paper length of six (6) printed pages see web conference for instructions. Papers must be submitted through https://epapers.org/wf-iot2021/ESR/login.php. See conference web page for instructions: https://wfiot2021.iot.ieee.org/authors-proposers/</p>
Important Dates
<p>Paper submission deadline: Feb 21, 2021 Paper acceptance notification: March 21, 2021 Camera-ready submission: April 21, 2021</p>

Call for Papers
<p>Future wireless networks expect to accommodate a huge number of Internet of Things (IoT) devices and provision low latency, context-aware services and applications in a flexible and efficient manner. To meet these peculiarities, one of the key approaches is mobile edge computing (MEC), which brings storage and computation resources in the proximity of mobile devices, to offer the end-users low-latency and high-bandwidth access to both information and computation resources. In addition, edge servers can facilitate data analytics to explore the hidden value of the collected data from IoT devices to support real-time decision making and provide value-added services. MEC systems have to deal with many issues and real-time challenges. It should support various services with distinct quality of service (QoS) requirements in terms of latency, data rate, reliability, and so on. In addition, the service demands exhibit spatial and temporal dynamics due to bursty requests and user mobility. It is of importance to manage the heterogeneous communication and device type, storage, and computational resources that jointly affect the perceived performance of users. Artificial Intelligence (AI) is also an emerging technology that has helped many other technologies in predicting future events and outages. The use of AI to support MEC quests in managing IoT devices is highly on-demand. The objective of this special session is to promote the benefits of MEC systems in IoT by addressing the aforementioned issues. Topics of interest include but are not limited to:</p> <ul style="list-style-type: none"> • Performance analysis of MEC systems • Cooperative caching and business models • Joint optimization of heterogeneous resource • Dynamic caching update • ML Algorithms and AI systems for MEC systems • Wireless Internet of Things • Virtual resource management • Tasks offloading • Interaction between edge and cloud • Green MEC systems • Service mitigation in MEC systems • Protocols for cooperative edge systems • Security and privacy in MEC systems • Prototype platforms and trial deployment • Big data aided MEC systems • Mobility- and Quality of Information-aware service caching • Multimedia and QoE management in MEC systems • Connected Vehicles IoT systems • Blockchain Technology assisted MEC in IoT