



Special Issue on Multi-access Edge Computing Enabled Internet of Things

Scope:

With the rapid growth of communication-intensive mobile applications, smart cities and Internet of Things (IoT) are raising the challenging research issues due to the requirements of low latency, deployment independence, location awareness and mobility support. We need better computing power and service capabilities to make the IoT intelligent and optimize cloud-IoT ecosystem for tackling network bottleneck. Multi-access edge computing (MEC) offers application developers and content providers cloud-computing capabilities and an information technology (IT) service environment at the edge of the network, and a new ecosystem and value chain are provided by MEC enabled IoT and intelligent applications, which allows operator to flexibly and rapidly deploy innovative applications and intelligent services towards mobile subscribers, enterprises and vertical segments. Despite numerous benefits from MEC, there are still some challenges in MEC-enabled IoT. The objective of this special issue is to present a collection of high-quality research papers that report the latest research advances in the area of MEC-enabled IoT, mainly including theoretical foundation, system model, reliability, safety, data analytics, data management, intelligent services and case studies, etc.

In this special issue, full papers, which describe original, unpublished research and are not currently under review by any other journal/magazine/conference, are solicited. All submissions will be peer-reviewed on the basis of relevance, originality, importance and clarity. Specific topics include but are not restricted to the following:

- Theoretical Foundation and Modes for MEC-enabled IoT
- Intelligent Data Analytics for MEC-enabled IoT
- Machine Learning for MEC-enabled IoT
- Real-Time Resource Management and Allocation in MEC-enabled IoT
- Goal-Oriented Decision-Making in MEC-enabled IoT
- Data Storage and Management in MEC-enabled IoT
- Low Power and Energy Harvesting in MEC-enabled IoT
- Access Control Models in MEC-enabled IoT
- Authentication and Authorization of Providers and Consumers
- Security, Reliability and Privacy in MEC-enabled IoT
- QoS (Quality of Service) and QoE (Quality of Experience) Improvements Techniques
- Novel Architectures, Communication and Future Perspective for MEC-enabled IoT
- Block Chain for MEC-enabled IoT
- Integrated Test Bed and Case Studies for MEC-enabled IoT

Submission Details:

All manuscripts for this special issue should be submitted electronically to the Neural Computing and Applications website (<http://www.editorialmanager.com/ncaa/default.aspx>). Authors should indicate that their manuscript is being submitted for the special issue on Multi-access Edge Computing Enabled Internet of Things. For further questions or inquiries, please contact the corresponding Guest Editor Prof. Rongbo Zhu.

Important Dates:

Manuscript submission deadline: April 10, 2019
First Notification: June 10, 2019
Revised Manuscript: July 1, 2019
Notification of Acceptance: July 31, 2019
Camera Ready Paper Due: August 31, 2019
Publication Date: 4th Quarter of 2019 (Tentative)

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