

Software Defined Network on Mobile Cloud and Edge Computing Workshop

Current Mobile Cloud Computing (MCC) and Mobile Edge Computing (MEC) paradigm is unable to meet the requirements of low latency, location awareness, and mobility support. To address the problem, researchers have coined a term of Mobile Cloud Computing (MCE) and Mobile Edge Computing (MEC) that was introduced to bring the cloud services and resources closer to the user proximity by leveraging the available resources in the edge networks. MCE and MEC aims to enable the billions of connected mobile devices to execute the real-time compute-intensive applications directly at the powerful resource server or nearest network edge. Specially, the distinguishing features of Software Defined Network on MEC are its closeness to end-users, mobility support, and dense geographical deployment of the MEC servers. Despite the several advantages, realizing the vision of MEC are challenging task because of the administrative policies and security concerns. There is a need to investigate the key requirements and potential opportunities for enabling the vision of SDN on MEC.

In this workshop, we are seeking new and unpublished work in the domain of Software Defined Network on MEC. More specifically, this workshop will focus on recent developments of experiences in Software Defined Networks and Mobile Edge Computings.

The list of topics includes, but is not limited to:

- Identification of incentives for MEC service providers.
- SDN Platform and MEC architecture: peculiar features and evolution.
- User transparent application execution frameworks for SDN on MEC .
- Smart MEC scheduler to improve resource scheduling that enhances the reliability and scalability
- SDN Monitoring
- Resource monitoring mechanism and utilization measuring mechanism
- MEC resources allocation and management
- Real-time load prediction model to optimize the user satisfaction
- MEC functionalities virtualization
- Simulation models for SDN on MEC

- Performance evaluation of SDN on MEC simulators and platforms
- Open issues, challenges and future perspective for SDN on MEC

Important Date

*** Round - I ***

Paper Submission Due: Aug. 27, 2017 Final Extended

Author Notification: Aug. 31, 2017

Camera Ready Due: Sep. 15, 2017

Registration Due: Sep. 15, 2017

Conference Dates: Dec. 18-20, 2017