

SS3: Mobile Edge Computing (MEC)

■ Call for Papers

Cloud networking technologies are changing the way network and applications are architected. Following these evolutions, Mobile Edge Computing (MEC) is a promising enabler for future Radio Access Networks (RAN) and is expected to provide a new ecosystem and value chain. Operators can open their Radio Access Network (RAN) edge to authorized third-parties, allowing them to flexibly and rapidly deploy innovative applications and network services towards mobile subscribers, enterprises and vertical segments. MEC is a natural development in the evolution of mobile base stations and the convergence of IT and telecommunications networking. Mobile-edge Computing will enable new vertical business segments and services for consumers and enterprise customers.

Mobile Edge Computing (MEC) poses a number of interesting research challenges in terms of architecture and application development, resource allocation and management, traffic engineering, service orchestration and composition.

This special session is seeking for innovative research contributions along the following lines (not limited to):

- Use cases and applications
- Architectures and application platforms
- Network and computing resource sharing
- Network function virtualization
- Mobile traffic offloading
- Edge processing for low-latency and bandwidth saving
- Support to RAN processing and virtualization
- Security mechanisms

■ Important dates

Paper Submission: June 30, 2015

Notification of Acceptance: August 3, 2015

Final Paper: August 17, 2015

■ Session organizers

- Dr. Jérémie Leguay, France Research Center, Paris, Huawei Technologies Co. Ltd.
- Pr. Xiaoming Fu, Institute of Computer Science, Goettingen University, Germany
- Dr. Katherine H. Guo, Bell Labs, Murray Hill, Alcatel-Lucent, USA
- Dr. Stefano Paris, Department of Computer Science , University of Paris Descartes.