Message from the Workshop Chair
FCNC 2014

Welcome to Guangzhou and the International Workshop on Future Computing and Network Convergence (FCNC 2014), which is held in conjunction with the 9th international Conference on P2P, Parallel, Grid, Cloud and Internet Computing (3PGCIC 2014) at Guangzhou, China from November 8th to 10th, 2014.

With the evolution of the service-oriented computing paradigm and the rapid development of the mobile devices, mobile cloud computing aims at combining the advantages of both mobile computing and cloud computing through efficient utilizing the service capabilities of the infrastructure, network as well as the mobile devices. Moreover, Peer-to-Peer Computing, Grid Computing, Crowdsourcing Computing and other emerging computing paradigms have also developed various applications on mobile devices. The evolution of the computing paradigms needs an efficient way to utilize the mobile devices’ idle resources to build a unified service infrastructure.

Moreover, with the emergence of new computing paradigms, communication networks experience unprecedented transformation. On the one hand, the wireless network resources among the mobile devices and the access point should be carefully planned and utilized since they are usually limited in bandwidth or even unavailable sometimes. On the other hand, the wired network should integrate existing and upcoming technologies into a heterogeneous and highly dynamic resource pool. Virtualization and federation will allow operation of multiple distinguished networked services, tailored to different needs, on the same physical infrastructure. Based on this motivation, many novel network architectures, such as Software Defined Network (SDN), Content Centric Networks (CCN) and Service-Oriented Future Internet Architecture (SOFIA) etc., are put forward in recent years from the viewpoint of incremental approach or clean-state design. However, it still remains a challenging task to measure, manage, and control SDN.

In this workshop, our goal is to publish the latest advancements addressing the topics of future computing and network convergence, especially focused on the designation, measurement, management and security of the future network and communication paradigms. The topics of interest are (though the list should not be considered exhaustive):


For FCNC 2014, we have accepted 6 papers, which will be presented in two sessions.

Many people contributed to the success of FCNC-2014. First, I would like to thank the organizing committee of 3PGCIC 2014 International Conference for giving us the opportunity to organize the workshop. Second, I would like to thank our program committee members. And of course, I would like to thank all the authors of the workshop for submitting their research works and for their participation.

Finally, I would like to thank the Local Arrangement Chairs for the 3PGCIC conference.
I hope you will enjoy FCNC workshop and 3PGCIC International Conference, and have a great time in Guangzhou, China.

Xianglin Wei, PLA University of Science and Technology, China
FCNC 2014 Workshop Chair