Tuesday, October 11

09:00– 10:00
Venue:Kapok room

Chair: Prof. Abderrahim Benslimane (University of Avignon, France)

Keynote 1

The Challenge and Potential Solution of Mobile Access Network

Abstract

This talk mainly consists of 3 parts: Traffic forecast, Challenge of Radio Network, Solutions. Part 1 will give some forecast on traffic volume and traffic type of mobile in next 10 years. It is estimated that the traffic volume of mobile network will increase up to 1000X in next 10 years. Part 2 summary the challenges the mobile access network, especially in spectrum resource, site resource, backhaul, and energy consumption. Part 3 will talk some future solutions. The solution will come from theory breakthrough and technology progress and innovation.

Speaker Bio

Dr. Yang Ganghua
Director of Research Planning Department
Huawei Corporate Research

  Ganghua Yang received BS from Zhejiang University, China in 1991, and MS from China Academy of Tel-communications Technology (CATT), China in 1994. He was a researcher of First Research Institute of CATT from 1994 through 1996. In 1996, he joined Huawei Technologies, China, starting as System Designer and Product leader of GSM Base Station in Wireless Product line. He was the chief scientist of Radio Access Network of Wireless Network Product line in Huawei Technologies from 2005 through 2008. He worked for CPRI((Common Public Radio Interface, Founded by Ericsson/Huawei/NEC/Nortel Networks/Siemens) since 2003 to 2008, as representative of Huawei. Yang was awarded Second Prize of National Science and Technology Progress Award of the year 2000 because of successful developing the GSM system and making the system commercial mass operating. Now he is the director of Research Planning Department of Huawei Corporate Research. His interests cover wireless access network, common physical layer algorithm and technology, and MIMO-OFDM systems.