Title: Open 5G Platform

Abstract: In this talk, we will give an introduction of an open 5G platform, which applies SDN and NFV techniques to realize all the functions of a telecom operator on general CPU/GPU computing platform. New technical challenges and potential applications of this open 5G platform will be fully discussed.

Yang Yang, PhD, Professor
Key Laboratory of Wireless Sensor Network and Communication
Shanghai Research Center for Wireless Communications
Shanghai Institute of Microsystem and Information Technology
Chinese Academy of Sciences
4F, Building No 8, 100 Haike Road, Shanghai 201210, China

Email: yang.yang@wico.sh

Bio:
Yang Yang received the BEng and MEng degrees in Radio Engineering from Southeast University, Nanjing, P. R. China, in 1996 and 1999, respectively; and the PhD degree in Information Engineering from The Chinese University of Hong Kong in 2002.

Dr. Yang Yang is currently a professor with Shanghai Institute of Microsystem and Information Technology (SIMIT), Chinese Academy of Sciences, serving as the Director of CAS Key Laboratory of Wireless Sensor Network and Communication, and the Director of Shanghai Research Center for Wireless Communications (WiCO). He is also an adjunct professor with the School of Information Science and Technology, ShanghaiTech University. Prior to that, he has served the Department of Electronic and Electrical Engineering at University College London (UCL), United Kingdom, as a Senior Lecturer; the Department of Electronic and Computer Engineering at Brunel University, United Kingdom, as a Lecturer; and the Department of Information Engineering at The Chinese University of Hong Kong as an Assistant Professor. His research interests include wireless ad hoc and sensor networks, software defined wireless networks, 5G mobile systems, intelligent transport systems, wireless testbed development and practical experiments.

Dr. Yang Yang has co-edited a book on heterogeneous cellular networks (2013, Cambridge University Press) and co-authored more than 100 technical papers. He has been serving in the organization teams of about 50 international conferences, e.g. a co-chair of Ad-hoc and Sensor Networking Symposium at IEEE ICC'15, a co-chair of Communication and Information System Security Symposium at IEEE Globecom'15.