

Open 5G Platform

Prof. Yang Yang, Chinese Academy of Sciences

Date: June 7, 2017 (Wednesday)

Time: 11:30 am

Place: 202 ECEC, NJIT

About the Speaker



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 a Distinguished Adjunct Professor with the School of Information Science and Technology, ShanghaiTech University. Prior to that, he has held faculty positions at The Chinese University of Hong Kong, Brunel University, and University College

London (UCL),

Yang is a member of the Chief Technical Committee of the National Science and Technology Major Project “New Generation Mobile Wireless Broadband Communication Networks” (2008-2020), which is funded by the Ministry of Industry and Information Technology (MIIT) of China. In addition, he is on the Chief Technical Committee for the National 863 Hi-Tech R&D Program “5G System R&D Major Projects”, which is funded by the Ministry of Science and Technology (MOST) of China. Since January 2017, he has been serving the OpenFog Consortium as the Director for Greater China Region.

Yang’s current research interests include wireless sensor networks, Internet of Things, Fog computing, Open 5G, and advanced wireless testbeds. He has published more than 150 papers and filed over 80 technical patents in wireless communications.

About the Talk (registration: https://meetings.vtools.ieee.org/meeting_registration/register/45795)

Facebook has recently announced its OpenCellular platform for promoting open-source wireless access technology developments and broader applications. In this talk, we will give an introduction of an open 5G platform, which applies SDN and NFV techniques to realize the key functions of a telecom operator according to the 3GPP standard on general CPU/GPU computing platform. It is very adaptive and flexible for supporting a variety of internet of things (IoT) applications in vertical industries. New technical challenges and potential applications of this open platform in delay-sensitive control areas will be fully discussed.

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