

### Distinguished Seminar on

Research Advances Related to 5G Wireless Communications in the SKLMMW

by

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#### Abstract

In this talk, the research advances related to 5G wireless communications in the State Key Laboratory of Millimeter Waves (SKLMMW), Southeast University, are reviewed, including the key technology of multi-beam antennas for massive MIMO and the IEEE 802.11aj(45GHz) etc.

#### Biography

**Wei Hong** (M'92-SM'07-F'12) received the B.S. degree from the University of Information Engineering, Zhengzhou, China, in 1982, and the M.S. and Ph.D degrees from Southeast University, Nanjing, China, in 1985 and 1988, respectively, all in radio engineering.

Since 1988, he has been with the State Key Laboratory of Millimeter Waves and serves for the director of the lab since 2003, and is currently a professor and the vice-dean of the School of Information Science and Engineering, Southeast University. In 1993, 1995, 1996, 1997 and 1998, he was a short-term Visiting Scholar with the University of California at Berkeley and at Santa Cruz, respectively. He has been engaged in numerical methods for electromagnetic problems, millimeter wave theory and technology, antennas, RF technology for wireless communications etc. He has authored and co-authored over 300 technical publications with over 5000 citations, and authored two books. He thrice awarded the first-class Science and Technology Progress Prizes issued by the Ministry of Education of China and Jiangsu Province Government etc. Besides, he also received the Foundations for China Distinguished Young Investigators and for "Innovation Group" issued by NSF of China.

Dr. Hong is a Fellow of IEEE, Fellow of CIE, Vice-Presidents of Microwave Society and Antenna Society of CIE, IEEE MTT-S AdCom Member, Chairperson of IEEE MTT-S/AP-S/EMC-S Joint Nanjing Chapter, and served for the associate editor of IEEE Trans. on MTT during 2007-2010, and the editor board members for IJAP, China Communications, and Chinese Science Bulletin etc.

**Date** : 29 December 2014 (Thursday)  
**Time** : 02:30 pm – 03:30 pm  
**Venue** : Room 15-202, meeting room of State Key Laboratory of Millimeter Waves,  
15/F, Academic 3, City University of Hong Kong

\*\*\* ALL ARE WELCOME \*\*\*

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