



学术报告会 Seminar

题目	Massive, Ultra-Dense, Delay, and Intelligence	
报告人	<p>Tony Q.S. Quek, IEEE Fellow, ComSoc Distinguished Lecturer</p> <p>Associate Professor and Associate Head of ISTD Pillar</p> <p>Singapore University of Technology and Design</p>	
时间	2018年4月18日(星期三)上午10:00-11:00	
地点	上海科技大学, 信息学院1号楼C区502会议室 (上海雾计算实验室)	

Abstract: In the future wireless systems, new services, applications and devices will drive requirements on data rate, ubiquity of data services, latency, cost, and reliability and further drive data traffic growth. To meet the above challenges, new technologies have been developed and investigated all around the world. Furthermore, the recent breakthrough in artificial intelligence and machine learning are providing us with technologies to perform tasks that once seemed impossible. In this talk, we will discuss a few key characteristics in future wireless networks and investigate related research problems to enhance our understanding of such networks.

Bio: Tony Q.S. Quek received the B.E. and M.E. degrees in Electrical and Electronics Engineering from Tokyo Institute of Technology, Tokyo, Japan, respectively. At Massachusetts Institute of Technology (MIT), Cambridge, MA, he earned the Ph.D. in Electrical Engineering and Computer Science. Currently, he is a tenured Associate Professor with the Singapore University of Technology and Design (SUTD). He also serves as the Associate Head of ISTD Pillar and the Deputy Director of SUTD-ZJU IDEA. His current research topics include wireless communications and networking, security, big data processing, network intelligence, and IoT.

Dr. Quek has been actively involved in organizing and chairing sessions, and has served as a TPC member in numerous international conferences. He is serving as the Track Co-Chair for IEEE PIMRC 2018, Track Co-Chair for IEEE VTC Spring 2018, and TPC Co-Chair for IEEE WCSP 2018. He is currently an elected member of the IEEE Signal Processing Society SPCOM Technical Committee. He was an Executive Editorial Committee Member of the IEEE Transactions on Wireless Communications, an Editor of the IEEE Transactions on Communications, and an Editor of the IEEE Wireless Communications Letters. He is a co-author of the book "Small Cell Networks: Deployment, PHY Techniques, and Resource Allocation" published by Cambridge University Press in 2013 and the book "Cloud Radio Access Networks: Principles, Technologies, and Applications" by Cambridge University Press in 2016.

Dr. Quek received the 2008 Philip Yeo Prize for Outstanding Achievement in Research, the IEEE Globecom 2010 Best Paper Award, the 2012 IEEE William R. Bennett Prize, the 2016 IEEE Signal Processing Society Young Author Best Paper Award, 2017 CTTC Early Achievement Award, 2017 IEEE ComSoc AP Outstanding Paper Award, and 2017 Clarivate Analytics Highly Cited Researcher. He is a Distinguished Lecturer of the IEEE Communications Society and a Fellow of IEEE.

Contact: 王昆仑, 博士, kunlun.wang@wico.sh, 13167056213

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