




学术报告会 Seminar

题目	Presentation of VTT and the research work on energy and spectral efficiencies in 5G during the exchange project with WiCO	
报告人	Ilkka Harjula, and Sandrine Boumard VTT Technical Research Centre, Finland	
时间	2018年4月11日(星期三) 中午 11:00-12:00	
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 this presentation, we will first introduce our company, VTT, the Technical Research Center of Finland, its organisation and general research focuses, and then narrow down to the various research topics related the communication field. A key element in our research field is the 5G test network (5GTN), which allows for testing different ideas in real environments. After presenting the test network, we will present the ESEC project, which is the reason why we are visiting WiCO. A general introduction of the project will be followed by technical presentation of the research conducted within the project: Throughput and Energy Consumption Trade-Off in Traffic Splitting in Heterogeneous Networks with Dual Connectivity, Demonstration on resource allocation algorithms, Network energy and spectral efficiencies measurements, Vehicular communications energy and spectral efficiencies.

Bio: Ilkka Harjula works as a senior scientist at VTT Technical Research Centre of Finland. He received his M.Sc. degree in telecommunications from the University of Oulu in 2002 and Licentiate of Technology in 2008, and is currently working towards a Ph.D., focusing on energy and spectrum efficient technologies for 5G and beyond communication systems. Ilkka has contributed to numerous national and international R&D projects studying the communication concepts associated with 5G systems as well as the functionalities of currently dominating commercial technologies.

Sandrine Boumard received her Master of Advanced Studies (DEA) in Electronics, Systems, Radar and Radio communication and her M. Sc degree in Electronics and Communication Systems in 1998 from the INSA (National Institute of Applied Sciences) of Rennes, France. She has been working since then as a Research Scientist at VTT Oulu, and as a Senior Scientist since 2011. Her current position is a Senior Scientist in the Efficient Computing and Communications team in the Connectivity research area of the Knowledge Intensive Products and Services business area at VTT.

<http://SHIFT.shanghaitech.edu.cn>