

2017 IW5GC

The 1st
**“International Workshop on 5G
Communications”**
2017 workshop, July 20-21

Day 1 (Wednesday 19th)

Social program: visit to Toledo.

Day 2 (Thursday 20th)

Session 1: Big data for 5G

09:30 (Tongji University) Analysis of Drivers' Behavior Based on Vehicular Sensing Data, Zhuowen Wang

10:00 (Tongji University) Divide-and-Conquer Games on Social Networks, Jiasheng Wang

10:30 Coffee break

11:00 (Technical University of Madrid) Design of a Functional Architecture for Modeling of an Interoperable PHR System in the Spanish Health Context, Alexandra Roman

11:30 (Tongji University) Vehicular Cloud Networks based on V2X Communications in Intelligent Transportation Systems, Rui Chen

12:00 Lunch

Session 1: 5G Communication systems

14:30 (Tongji University) Performance Study of Uplink and Downlink Splitting in Ultradense Highly Loaded Networks, Hui Wang

15:00 (Technical University of Madrid) V2V Communications System for Performance Enhancement of a CBTC Signaling System: a 5G use case, Alfonso Ruíz

15:30 Coffee Break

16:00 (Tongji University) From the View of Nature Language Processing Application to See the Training Paradigm of Deep Learning Models in the 5G Context, Shijia E

16:30 (Technical University of Madrid) Design of a Low-cost SDR System to Detect Spurious Radio Transmissions, Gabriel Vandembroucke

20:10 Workshop Dinner

Day 3 (Friday 21st)

Session 1: Propagation channels Part A

09:30 (Tongji University) Cluster Identification and Modeling for V2V Channels Based on Measurements, Xuesong Cai

10:00 (Tongji University) Measurement-based Modeling of Rough Surface Channel Based on Graph Theory, Chao Zhang

10:30 Coffee break

11:00 (Tongji University) A Sea-wave Dynamics Monitoring Radar Based on Channel Analysis, Nanxin Wang

11:30 (Tongji University) Path Loss Models for Outdoor and Indoor Hotspot Scenarios at 39GHz Band, Yongyu He

12:00 Lunch

Session 2: propagation channels Part B

14:30 (Tongji University) Consistency of Propagation Channels in Frequency Domain, Jingxiang

15:00 (Technical University of Madrid) Measurement and Modeling for Low Altitude

UAV Channel, Qiu Zhihong

15:30 Coffee Break

16:00 (Technical University of Madrid) Geometry Based Modeling for Low Altitude UAV Channel, Chu Xi

16:30 (Technical University of Madrid) Air-to-Ground Channel Modeling in MATLAB using the 3D Ray Tracing Method, Lorenzo Villafranca