ISWCS 2017 Workshop

"Ultra-Dense Cell-Less 5G Cellular Networks: Wireless Access and Programmable Network Architecture (5G Cell-Less Nets)"

August 28th, 2017

School of Engineering and Architecture, Viale Risorgimento 2, Bologna, Italy
Workshop Organiser: Marco di Renzo (Centrale Supelec, FR)
http://iswcs2017.org/workshops/

9.00 – 9.50. Keynote (University): Angel Lozano, Pompeu Fabra, Spain.

9.50 – 10.30.

Energy-Efficient Architecture for Receive Spatial Modulation in Large MIMO Systems,
Ahmed Raafat, Adrian Agustin and Josep Vidal, Dept. of Signal Theory and Comm., Universitat Politecnica de Catalunya, Spain

Performance of Media-based Modulation in Multi-user Networks,
Merve Yuzgeccioglu, Eduard Jorswieck, Communications Laboratory TU Dresden, Germany

11.00 – 12.30.

A Study of Angular Stationarity of 5G Millimeter Wave Channels,
Yi Tan, Jie Huang, Rui Feng, and Cheng-Xiang Wang, Institute of Sensors, Signals and Systems, School of Engineering & Physical Sciences, Heriot-Watt University, Edinburgh

Outage MIMO Capacity: Small Cells and Statistical Mechanics,
Giusi Alfano, M. Nowak, and W. Tarnowski, Politecnico di Torino, Italy and Jagiellonian University, Poland

Radio Access Network Behavior in Urban Environment,
Panagiotis Matzoros, Christos Tsirakis, George Agapiou, OTE S.A., Greece

Millimeter Wave Multi-Beam-Switching Antenna,
Vedaprabhu Basavarajappa, Beatriz Bedia Exposito, Lorena Cabria and Jose Basterrechea, Dept. of Antennas, TTI Norte, Spain

Lunch Break and ISWCS 2017 PhD Student Pitch Contest

15.00 – 15.50. Keynote (Industry): Vincenzo Sciancalepore, NEC Europe, Germany

15.50 – 16.30.

Mobility Management as a Service for 5G Networks,
Akshay Jain, Elena Lopez-Aguilera and Ilker Demirkol, Dept. of Network Engineering, Universitat Politecnica de Catalunya, Spain

User Association in Cell-less 5G Networks Exploiting Particle Swarm Optimisation,
Tareq M. Shami, David Grace, Alister Burr, Communication Technologies Research Group, University of York, United Kingdom

17.00 – 18.30.

Efficient Enabling of Network Slicing in 5G Mobile Networks,
Mohammad Asif Habibi, Bin Han and Hans D. Schotten, Dept. of Electrical and Computer Eng., Univ. of Kaiserslautern, Germany

Efficient Resource Allocation and Spectrum Trading for Virtualized Multi-tenant 5G Networks,
Christos Tsirakis, Panagiotis Matzoros, George Agapiou, Dimitris Varoutas, OTE Academy S.A., Greece

Implementation of an SDN-enabled 5G experimental platform for core and radio access network support,
Petros Karagiannidis, Kostas Ramantas, Elli Kartsakli, Angelos Antonopoulos, Christos Verikoukis, Iquadrat Informatica S.L., Spain

Dynamic antenna azimuth planning for 3G, 4G and future 5G broadband radio networks,
Yingjie You and Dimitris Kolokotronis, FASMETRICS SA, Greece