IEEE ICC 2017
21-25 May 2017 // Paris, France

Call for Papers for
IEEE Int. Workshop on Main Trends in 5G Networks (MT5GNet)
21 May 2017
http://www.mt5gnet.net16.net/

Scope and Motivation

Given the ever increasing traffic demand and required quality of service, current wireless access networks will soon arrive to their limit. For this reason, it is foreseen that the commercial deployment of the first 5G networks will probably occur by 2020 and will respond to a set of predefined requirements mainly: shorter end to end latency, higher number of connected devices and higher user experienced data rates (as described for example in NGMN 5G white paper) .
Nevertheless, to respond to these above mentioned requirements, the way is still long and important technical challenges still need to be solved. Today, 5G is a hot research topic, gaining increasing popularity, not only among researchers in academia and industry, but also among standardization bodies.

Topics of Interest Topics of interest include but are not limited to the following:

- Physical layer & hardware related topics: Waveforms, synchronization; Massive MIMO; Modulation schemes ; Carrier Aggregation; Full duplex systems; New trends in channel models and usage of novel frequency bands (e.g. mm-wave)…
- Backhaul/fronthaul related topics: Joint design and optimization of radio access and backhaul/fronthaul networks; Optimized backhaul/ fronthaul integration and control; Control and data plane split
- Architecture related topics: Flexible RAN architectures and C-RAN; SDN / NFV; Edge/cloud/fog and their tradeoffs; Novel mobility management protocols
- MAC, RLC, PDCP and RRC related topics: Interoperability with existing RATs; Resource management schemes with novel requirements (HetNets, D2D communications, spectrum sharing and carrier aggregation); Multi-connectivity approaches and related system enablers, ultra-dense networking and cell-less concepts, massive MTC, UAV-assisted networks, low-latency high reliability aspects…
- Standardization & regulation

Important Dates

Paper Submission: 18 November 2016

Notification Date: 17 February 2017

Final Paper: 10 March 2017

Organizing Committee

Afef Feki, Huawei FRC, France
Mehdi Bennis, Univ. of Oulu, Finland
Rath Vannithamby, Intel Labs, Intel Corporation, USA
Jie Lie, Univ. of Tsukuba, Japan
Berna Sayrac, Orange Labs, France
Mustapha Amara, Huawei FRC, France (Web chair)

Keynote Speakers

Eric Hardouin, Director Ambient Connectivity research domain, Orange Labs, France

Mérouane Debbah, Vice-president, Huawei, FRC, France
Geng Wu, Intel Fellow

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