IEEE pimrc'16

27TH ANNUAL IEEE INTERNATIONAL SYMPOSIUM
ON PERSONAL, INDOOR AND MOBILE
RADIO COMMUNICATIONS
4-7 SEPTEMBER, VALENCIA, SPAIN

Workshop Inclusive Radio Communications for 5G and beyond

--- 4th of September 2016 ---

The demand for mobile connectivity is continuously increasing, and by 2020 Mobile and Wireless Communications will serve not only very dense populations of mobile phones and nomadic computers,

but also the expected multiplicity of devices and sensors located in machines, vehicles, health systems and city infrastructures. The **Inclusive Radio Communications** concept defines the technologies for supporting wireless connectivity for any rates, type of communicating units, and scenario. It is expected to be implemented in and beyond the fifth generation (5G) of radio communication networks. Spectral and spatial efficiency are key challenges, in addition to constraints like energy consumption, latency, mobility, adaptability, heterogeneity, coverage, and reliability, amongst others. While many of these aspects are not especially new, the wireless Internet of Things (IoT) beyond 2020 will require revolutionary approaches in Radio Access Technologies.

The goal of this workshop is to discuss new solutions to handle both the increase in the quantity of transmitted data, the heterogeneity of devices and services. We expect contributions addressing new paradigms of such inclusive networks, revisiting the theoretical foundations and proposing breaking technologies but also addressing methodological aspects (like testbeds) to assess the performance of such heterogeneous scenarios.

- **S1: New trends** for radio channels and PHY layer (mmW, waveform, massive MIMO, bursty communications, short packets...).
- **S2**: **New trends**: MAC & Network Layers (SDN, resource management, heterogeneous networks, ultra low latency, Age and value of Information...)
- **S3: Testbeds and experiments**

Important dates:

Submission deadline: Extended to 13th of May 2016   Notification deadline: 10th of June 2016   Final paper due: 1st of July 2016   Workshop date: 4th of September 2016

Paper Submission Guidelines:

The workshop accepts novel and previously unpublished papers. Papers should not exceed 6 double-column pages and should follow IEEE templates. Submitted papers will be subject to a peer-review process. All accepted papers will be included in the PIMRC conference program and will be published by the IEEE Xplore. Papers should be submitted through EDAS.

Chairs:

S1: Laurent Clavier, Telecom Lille, Univ. Lille, CNRS UMR 8520 - IEMN, France
S2: Nikolaos Pappas, Department of Science & Technology (ITN), Linköping University (LiU)
S3 : Jean-Marie Gorce, CITI Lab, INSA Lyon