

# Technology Trials and Proof-of-Concept Activities for 5G and Beyond 2018 (TPoC5G 2018)

In conjunction with VTC2018-Spring  
3rd, June, 2018, Porto, Portugal

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## Call For Papers

TPoC5G workshop will be held in Porto, Portugal, on 3 June 2018 in conjunction with the 2018 IEEE 87<sup>th</sup> Vehicular Technology Conference: VTC2018-Spring. This workshop is technically co-sponsored by IEICE (Institute of Electronics, Information and Communication Engineers) technical committees on Radio Communication Systems (RCS) in Japan.

**Scope:** The 5th generation (5G) cellular communication systems are to be launched in a couple of years. In the 5G standardization, key enabling technologies such as massive MIMO, beamforming, access technology and a new frame design are to be specified. Meanwhile, the research and development of those key technologies and their technology trials are being carried out in many research entities. On the other hand, new technology concepts for beyond 5G (B5G) have been also investigated. In these regards, this workshop is aiming to provide the opportunity to present the latest trials and trial results for 5G and the proof-of-concept activities for B5G. Through the discussion at the workshop, it is also expected to promote the exchange of new ideas among researchers.

### Topics:

- 5G technology trials
- Validation of technology concepts for the 5G systems (e.g. Massive MIMO, Beamforming, MU-MIMO, Distributed Cells)
- Hardware implementation issues of the 5G systems in SHF bands or millimeter wave bands
- Proof-of-concept activities for the B5G systems
- Experimental investigation of new radio waveforms (e.g. Filtered OFDM, GFDM, UFMC)
- Experimental investigation of full duplex
- Etc.

### Important Dates [Extended]:

**Paper Submission Due:** ~~19 January 2018~~ **29 January 2018**  
**Acceptance Notification:** **12 February 2018**  
**Final Papers/Author Registration Due:** **28 February 2018**

### Paper submission:

Submission requirements: 5-page paper ONLY

Up to 2 additional pages may be accepted with the purchase of additional page charges

Papers should follow the IEEE conference template:

[http://www.ieee.org/conferences\\_events/conferences/publishing/templates.html](http://www.ieee.org/conferences_events/conferences/publishing/templates.html)

Web Site of Paper Submission:

<https://vtc2018s-rr-wks.trackchair.com/track/1653>

### Contact Information

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**For more information, please access the following link**

<http://www.ieice.org/cs/racs/tpoc5g/>