

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

in conjunction with VTC2017-Spring
4th, June, 2017, Sydney, Australia

Call For Papers

TPoC5G workshop will be held in Sydney, Australia, on 4 June 2017 in conjunction with the 2017 IEEE 85th Vehicular Technology Conference: VTC2017-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 (pending for approval).

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 SFH 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:

Paper Submission Due: ~~15 January 2017~~
5 February 2017 (EXTENDED)

Acceptance Notification: **1 March 2017**

Final Papers/Author Registration Due: **1 April 2017**

Paper submission:

5-page full paper or 2-page abstract with results.
Up to 2 additional pages are allowed (thus 6-page and 7-page papers are fine) with the purchase of additional page charges in the amount of \$100 USD per additional page at the time of registration and final paper submission.

Papers should follow the IEEE conference template:

http://www.ieee.org/conferences_events/conferences/publishing/templates.html

Web Site of Paper Submission:

<https://vtc2017s-rr-wks.trackchair.com/track/1583>

Contact Information

rsc_ac-vtc2017s@mail.ieice.org

For more information, please access the following link

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

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