

Call for Contributions

Inform the Chair: with the Title of your Contribution

Submission URL:

<https://www.iariasubmit.org/conferences/submit/newcontribution.php?event=COCORA+2017+Special>

Please select Track Preference as **ENAB5G**

Special track

ENAB5G: Enablers for 5G Use Cases

Chair and Coordinator:

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along with

COCORA 2017, April 23 - 27, 2017 - Venice, Italy

The Seventh International Conference on Advances in Cognitive Radio

<http://www.iaria.org/conferences2017/COCORA17.html>

The fifth generation (5G) of wireless networks is expected to support a multiplicity of use cases that go far beyond extending the capacity for ultra-broadband applications. Most of the target use cases rely on two forms of machine type communication (MTC), namely massive MTC (mMTC), which refers to the connectivity of large numbers of low-cost and low-energy devices and ultra-reliable MTC (uMTC) which denotes communication with stringent requirements in terms of latency, reliability and availability.

To meet the heterogeneous requirements associated with these use cases, three main dimensions need to be further developed, namely (1) Exploitation of new spectrum bands (e.g., mm-wave), (2) Ultra-densification and interworking of existing technologies in heterogeneous networks (HetNets), and (3) Optimization of spectrum usage through innovative spectrum sharing models and enhanced radio environmental maps (REMs). To efficiently support all these dimensions, innovative architectures with higher degree of flexibility, e.g., through virtualization and control/data separation, would be required.

In this context, the topics of interest include but are not limited to:

- Ultra-broadband applications
- Machine type communication (MTC)
- Massive connectivity
- Ultra-reliable communications
- Mm-wave bands
- Ultra-densification and heterogeneous networks (HetNets)
- Carrier/spectrum aggregation (e.g., licensed assisted access (LAA))
- WLAN/Cellular integration (e.g., LWA and LWIP)
- Enhanced spectrum sharing models
- Advanced radio environmental maps (REMs)
- Innovative architectures for next-generation networks
- Wireless network virtualization
- Control/Data plane separation

Important Datelines

- Inform the Chair: As soon as you decided to contribute
- Submission: ~~January 15~~ **March 15**
- Notification with comments for camera-ready: ~~February 20~~ **March 22**
- Registration: ~~March 5~~ **April 1**
- Camera ready: ~~March 15~~ **April 1**

Contribution Types

- Regular papers [in the proceedings, digital library]
- Short papers (work in progress) [in the proceedings, digital library]
- Posters: two pages [in the proceedings, digital library]
- Posters: slide only [slide-deck posted on www.iaria.org]
- Presentations: slide only [slide-deck posted on www.iaria.org]
- Demos: two pages [posted on www.iaria.org]

Paper Format

- See: <http://www.iaria.org/format.html>
- Before submission, please check and comply with the editorial rules: <http://www.iaria.org/editorialrules.html>

Publications

- Extended versions of selected papers will be published in IARIA Journals: <http://www.iariajournals.org>
- Print proceedings will be available via Curran Associates, Inc.: <http://www.proceedings.com/9769.html>
- Articles will be archived in the free access ThinkMind Digital Library: <http://www.thinkmind.org>

Paper Submission

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Registration

- Each accepted paper needs at least one full registration, before the camera-ready manuscript can be included in the proceedings.
- Registration fees are available at <http://www.iaria.org/registration.html>

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