

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 **5GSPECTRUM**

Special track

5GSPECTRUM: Advanced Spectrum Management in 5G and Beyond Systems

Chair and Coordinator:

Dr. Shahid Mumtaz, Funding and Innovation Manager, Instituto de Telecomunicações, Portugal
smumtaz@av.it.pt

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>

Spectrum is, and with the 5G deployment will become more and more, a very important asset in wireless telecommunication networks. The way that spectrum is allocated to different technologies and services, most of the time even in non-contiguous bands, varies a lot according to the geographic area in focus and to the different operators' policies.

The diverse usage of spectrum and the forthcoming availability of new bands in the mmWave domain will free a huge amount of new bandwidth that will allow for new services and application, not effectively deployable so far.

This special track focuses on all aspects relevant to advanced and dynamic spectrum management techniques, also considering business aspects and potential new use cases and scenarios.

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

- Business model analysis of advanced spectrum management
- Economy Theory framework for advanced spectrum management
- New 5G and beyond 5G scenarios and use cases for dynamic and advanced spectrum management
- Mobility and sensing for advanced spectrum management
- Routing Protocol for advanced spectrum management
- Cross-layer design for advanced spectrum management
- Traffic prediction and allocation strategies for advanced spectrum allocation
- Cooperative advanced spectrum management
- Shared use of unlicensed spectrum for advanced spectrum management
- Random matrix theory and mathematical analysis of advanced spectrum management
- System-level modeling of advanced spectrum management
- Artificial intelligence for advanced spectrum management
- Location-awareness for advanced spectrum management
- Standardization aspects of advanced spectrum management
- Regulatory framework of advanced spectrum management
- Tests and performance characterization for advanced spectrum management
- Prototypes and demonstrators of advanced spectrum management

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>

Contact

Dr. Shahid Mumtaz, Funding and Innovation Manager, Instituto de Telecomunicações, Portugal

smumtaz@av.it.pt

Logistics: steve@iaria.org