Call for Contributions

Inform the Chair: with the Title of your Contribution
Submission URL:
https://www.iariasubmit.org/conferences/submit/newcontribution.php?event=INFOCOMP+2017+Special
Please select Track Preference as **5GCOMA**

<center>**Special track**</center>

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5GCOMA: 5G Communications and Applications

Chair and Coordinator
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along with
INFOCOMP 2017, June 25 - 29, 2017- Venice, Italy
The Seventh International Conference on Advanced Communications and Computation
http://www.iaria.org/conferences2017/INFOCOMP17.html

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The 5th generation mobile networks or 5th generation wireless systems, abbreviated 5G, are the proposed next telecommunications standards beyond the current 4G/IMT-Advanced standards. Rather than faster peak Internet connection speeds, 5G planning aims at higher capacity than current 4G, allowing higher number of mobile broadband users per area unit, and allowing consumption of higher or unlimited data quantities in gigabyte per month and user. This would make it feasible for a large portion of the population to stream high-definition media many hours per day with their mobile devices, when out of reach of Wi-Fi hotspots.

5G research and development also aims at improved support of machine to machine communication, also known as the Internet of things, aiming at lower cost, lower battery consumption and lower latency than 4G equipment.

Topics include, but not limited to:

- Industry 5G Vision and Beyond
    - 4G to 5G
    - Global initiatives
    - Industry 5G vision
    - Policies for 5G development

- 5G Communication Infrastructure
    - 5G and Software Defined Networking (SDN)
    - Modulations and coding (including MTC traffic)
    - Low-latency and ultra-reliable communication
    - Device-to-Device communication and coordination
    - Massive MIMO transmitter/receiver designs
    - Coordinated multipoint systems
    - Link layer (e.g. coding, modulation)
    - Spectrum management

- 5G Related Technologies, Applications, and Challenges

- o Air interface, spectrum, and massive antennas techniques
- o Advanced inter-node coordination (e.g. CoMP, interference alignment)
- o Advanced radio resource management (e.g. interference management)
- o Moving Networks, D2D, Massive Machine Communications, Ultra-Reliable Communications
- o 5G spectrum challenges
- o 5G in smart city environments
- o IoT, 5G and Cloud Architecture
- o Ultra-Dense Networks

Important Datelines

- Inform the Chair: As soon as you decided to contribute
- Submission: ~~March 5~~ May 17
- Notification with comments for camera-ready: ~~April 5~~ May 24
- Registration: ~~April 20~~ May 31
- Camera ready: ~~May 12~~ May 31

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

https://www.iariasubmit.org/conferences/submit/newcontribution.php?event=INFOCOMP+2017+Special
Please select Main Topic as **5GCOMA**

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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