

Call for Contributions

Submission:

1. **Inform the Chair:** with the Title of your Contribution

2. **Submission URL:**

<https://www.iariasubmit.org/conferences/submit/newcontribution.php?event=ICDT+2018+Special>

Please select Track Preference as **5G-TEST**

Special track

5G-TEST: 5G Testbeds, Applications, Standards and New Business Models

Chairs and Coordinators

Prof. Dr. Stan McClellan, Texas State University - San Marcos, USA

stan.mcclellan@txstate.edu

Prof. Dr. George Koutitas, Texas State University - San Marcos, USA

g_k28@txstate.edu

along with

ICDT 2018, The Thirteenth International Conference on Digital Telecommunications

April 22, 2018 to April 26, 2018 - Athens, Greece

<http://www.iaria.org/conferences2018/ICDT18.html>

Applications of wireless communications are expanding almost as fast as the constituent technologies and standards. This track examines the "next generation" concepts associated with the modern phenomenon of wireless everywhere. From WiFi to Bluetooth to 5G to the Internet of Things and Smart Grid/City implementations, ubiquitous wireless connectivity is paramount.

5G technologies are expected to fulfill a gap in the wireless industry that is called to provide high speed and reliable transfer of heterogeneous data over a software defined infrastructure. The need for a high density small cell network and the tactile internet applications that require below 10ms latency has created some new barriers for the implementation of 5G technologies. These barriers are related to the testing of newly developed concepts, technologies and business models.

The main objective of this track is to explore the landscape of 5G technologies and standards and present solutions for the development of 5G testbeds that can support the testing of new technologies and business models, such as a) multiple access techniques, b) Massive MIMO, c) modulation and coding, d) software defined radio, e) energy efficient networking, f) tactile internet (low latency), g) smart city applications, h) sharing of infrastructure, and i) network economics.

Topics include, but not limited to:

- Standards (IETF, IEEE, ETSI, SIG, ...)
- 5G Architectures
- Applications and test results
- Testbed architectures and concepts
- Quality of Service issues
- Novel approaches to network management
- Internet of things (IoT)
- Smart cities/Smart grids
- Software defined radios/Software defined networks (SDR/SDN)
- Energy efficient networking

- Cloud computing
- New business models
- Network economics
- Cross-layer optimisation in HetNets
- SDN/NFV for wireless
- Massive MIMO
- Modulation and Coding
- Tactile Internet
- Infrastructure sharing

Important Datelines

- Inform the Chairs: As soon as you decided to contribute
- Submission: Jan 17, 2018
- Notification: Feb 22, 2018
- Registration: Mar 8, 2018
- Camera ready: Mar 15, 2018

Note: These deadlines are somewhat flexible, providing arrangements are made ahead of time with the chair.

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>

Contacts

Chair: Stan McClellan: stan.mcclellan@txstate.edu

Chair: George Koutitas: g_k28@txstate.edu

ICDT logistics: steve@iaria.org