2019 IWCMC Symposium on Advances in 5G and Beyond

15th International Wireless Communications & Mobile Computing Conference

WEBSITE: http://iwcmc.org/2019/symposia/
SUBMISSION LINK: https://edas.info/newPaper.php?c=24846

June 24-29, 2019, Tanjer, Morrocco

Important Dates

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Important Dates

Paper submission deadline: Extended to Feb. 11, 2019
Paper acceptance notification: March 30, 2019
Camera-ready paper: April 30, 2019
Registration: May 10, 2019
Conference date: June 24-29, 2019

Scope

By 2020, a new era in mobile and wireless communications will begin with the commercialization and the roll out of the fifth generation (5G) networks. 5G is expected to cover wide applications addressing various applications ranging from low power-wide area networks and more generally Internet of Things (IoT) with needs of few bits per seconds and coverage of wide geographic areas for delay tolerant communications to communications with gigabits per seconds with very low latency down to millisecond. 5G is also expected to bring new paradigms and technologies at all the communication layers including mmWave communication, exploration and exploitation of new frequency bands, green communication, and achieving an order of magnitude performance-energy efficient communications.

After the great success of the previous workshops, IWCMC 2019 is anticipated to attract many high-quality papers. This symposium seeks original papers of research contributions or surveys that address future wireless communication techniques in 5G communications and the challenges, ranging from theory to practice in designing the next generation mobile communication protocols. Technical papers should describe original researches that are unpublished and not under review by any other venues.

Topics include, but are not limited to:
- Advances in design IoT
- PHY and MAC novel protocols for IoT and low power-wide area networks
- Protocol design and optimization
- Physical layer security
- MAC design and scheduling
- Cross-layer designs and techniques
- Polar codes and LDPC for 5G and beyond
- Adaptive and nonlinear signal processing for 5G
- Massive MIMO communications and dynamic beamforming techniques
- Advances in cloud RAN, distributed MIMO
- New waveforms for IoT
- FSO, LiFi, and VLC communications
- Millimeter wave communications
- Green communications in 5G
- Energy aware protocols and techniques
- Simultaneous information and power transfer techniques
- Green Small cell networks, resource allocation, scheduling and energy consumption
- HetNet, femtocells and WiFi-LTE interworking
- Multimedia support and QoS management
- Device-to-Device and Machine-to-Machine communications
- Self-driving cars and automotive systems
- Machine learning and adaptive techniques
- Localization techniques for 5G and beyond
- Security, robustness, and reliability
- Licensed/Unlicensed spectrum aggregation, LTE-U
- Cognitive radio and dynamic spectrum access (DSA) in 5G communication
- Spectrum bidding and pricing for spectrum sharing
- Pricing models and regulatory policies
- Social-aware 5G networks
- Experimental prototyping and test-bed evaluation
- 5G applications, services and Testbeds
- Application platforms and middleware

Submission Guidelines

Authors are invited to submit original papers of no more than 6 pages (standard IEEE proceedings, two-column, 10 pt font, etc.), including figures, tables, and references, in PDF format. Accepted papers will be published in the IWCMC19 conference proceedings, which will be submitted to IEEE Xplore database. Submission implies that at least one of the authors will register and present the paper at the conference. Electronic submission is accepted through the EDAS web site at https://edas.info/newPaper.php?c=24846&track=91258
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