CALL FOR PAPERS

Special Session on **"Intelligent Radio Resource Management for 5G and Beyond"**

Scope

The Gigabit-per-second wireless speed suggests that no single technology will challenge this ultimate target, but the aggregation of various enabling approaches will be required. In fact, today's technology roadmaps depict different mixes of spectrum (Hertz), spectral efficiency (Bit/Hertz/Cell) and small cell densification (Cell/Km^2) as a steppingstone towards meeting the 5G challenge. Therefore, as we migrate towards the 5G era and beyond, with advances in small cell technologies aggregated with novel supplementary techniques such as advanced signal processing and additional spectrum, we can potentially arrive at a candidate solution for 5G Mobile. This impels to design dynamic and intelligent Medium Access Control (MAC) protocols to manage radio resources effectively and flexibly in 5G systems and beyond.

Topics of Interest

In this Special Session, we welcome submissions of papers presenting original works. Submissions must not overlap with works that have been published or that are simultaneously considered for publication elsewhere. Specifically, we encourage researchers and industry experts to submit original contributions in the following major areas (indicative list, other related topics will also be considered):

- 5G Networks and Beyond
- Radio Resource Management
- Medium Access Control Protocol
- Physical Layer Protocol
- Filter Bank Multicarrier (FMBC)
- 5G New Radio
- Machine Leaning
- Artificial Intelligence
- Licensed Shared Access (LSA)
- Licensed Assisted Access (LAA)
- Unlicensed Access
- Millimeter-Wave Communications
- THz Communications
- Massive MIMO
- Internet-of-Things (IoT)

- Machine-Type Communications
- Vehicular Communications
- C-RAN
- D2D Communications
- Small Cell
- Heterogeneous Networks

Important Dates

Paper Submission Deadline (Extended)	10 June 2020
Paper Acceptance Notification	05 July 2020
Camera-Ready	31 July 2020
Conference Date	14-16 September 2020

Submission Guideline

Prospective authors are invited to submit a full paper of not more than six (6) IEEE style pages including results, figures and references. Papers should be submitted via EDAS. Papers submitted to the conference, must describe unpublished work that has not been submitted for publication elsewhere. All submitted papers will be reviewed by at least three TPC members, while submission implies that at least one of the authors will register and present the paper at the conference. Electronic submission will be carried out through the EDAS web site at the following link: https://edas.info/newPaper.php?c=27371&track=101989

All accepted papers will be included in the conference proceedings and IEEE digital library (http://ieeexplore.ieee.org/).

Organizers

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