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23rd International Conference on Telecommunications

ICT2016 "Expansion to Small"

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Thessaloniki, Greece | Makedonia Palace Hotel

Technical Sponsorship



Special Session

Access technologies for 5G mobile networks

Organizers: **Ming Xiao**, *KTH, Sweden*, **Zheng Ma**, *Southwest Jiaotong University, China*

Call for Papers

For the fast development of smart terminals and applications, the demands on the next generation mobile (namely, 5G, the 5th generation) are expected to be very large in near future. The technique development focusing on the 5G has drawn a lot of research attention. It is expected that compared to the 4G mobile, the 5G systems should have 1000 times higher aggregated mobile data volume per area, 10 to 100 times higher typical user data rate and number of connected devices, and 10 times longer battery life for low power devices and reduced end-to-end latency. Meanwhile, three key efficiency indicators are also proposed as: 5-15x spectrum efficiency, 100+x energy efficiency, and 100+x cost efficiency. To achieve these technique objectives of the 5G systems, novel access technique is one of the most essential one. There are a lot of research topics recently in this area. This session seeks to bring together recent developments on the access techniques for the 5G.

The solicited technique scopes include (but not limited to) follows:

- Orthogonal Multiple Access techniques for 5G
- Non-Orthogonal Multiple Access techniques for 5G
- Other novel Multiple Access techniques for 5G

Prospective authors are invited to submit high-quality original technical papers following the rules of the Main Track of ICT 2016 for presentation at the conference and **publication in the ICT 2016 Proceedings and IEEE Xplore**, using <https://edas.info/newPaper.php?c=21703&track=78910>.

Important dates

Paper submission deadline: **February 20, 2016**

Notification of paper acceptance: **March 5, 2016**

Camera Ready Papers: **March 15, 2016**

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