



# Call for Papers ACM/Springer Mobile Networks & Applications (MONET)

## SPECIAL ISSUE ON

### 5G Technologies for Future Wireless Networks

<http://link.springer.com/journal/11036>

#### Overview:

Driven by the development of mobile Internet and smart phones, data traffic grows exponentially in the current mobile communication systems. The opportunities and challenges of fifth-generation (5G) rapidly gain great attention from academics, industries, and governments. 5G techniques are promising to meet the requirements of explosive data traffic in future mobile communications. In order to fulfill the future 5G capacity booming requirements, many important technologies to provide high data-rate services. The corresponding standardization and field deployments of 5G have been conducted. But new challenges are also brought with the 5G mobile networks, such as the software defined wireless network architecture, big data and IoT in 5G, energy efficiency and spectral efficiency, interference mitigation and resource management and etc. The aforementioned technologies need to be further researched to support 5G and future wireless networks.

This special issue encourages archival quality papers that advance the state-of-the-art and practical applications of 5G technologies. The goal is to gather research contributions, from 5G wireless networks, that address the major opportunities and challenges in applying 5G technologies to the understanding and designing of modern network systems, with emphasis on both new analytical techniques and novel application scenarios. We are soliciting original contributions that have not been published and are not currently under consideration by any other journals.

#### Topics

Topics of interest include, but are not limited to, the following scope:

<ul style="list-style-type: none"><li>- Non-orthogonal multiple access</li><li>- Massive MIMO</li><li>- Full duplex, mmWave</li><li>- LTE-U, Self-Organizing Networks</li><li>- Cloud-RAN, Fog-RAN, Caching</li><li>- Heterogeneous Networks Small Cells</li><li>- Ultra Dense Networks</li></ul>	<ul style="list-style-type: none"><li>- Resource Allocation, Mobility Management</li><li>- SDN, NFV, Network slicing</li><li>- Backhaul/Fronthaul in 5G Networks</li><li>- Big Data, IoT, Vehicular Networks with 5G</li><li>- Energy Harvesting, UAV</li><li>- Other topics (PHY layer, MAC layer, Network layer) in 5G Networks</li></ul>
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#### Important Dates:

- **Manuscript submission deadline: November 30, 2016**
- Notification of acceptance: December 30, 2017
- Submission of final revised paper: February 15, 2017
- Publication of special issue (tentative): May 1, 2017

#### Submission Procedure:

Authors should follow the MONET Journal manuscript format described at the journal site. Manuscripts should be submitted on-line through <http://www.editorialmanager.com/mone/>. A copy of the manuscript should also be emailed to the following email: [dr.hajun.zhang@ieee.org](mailto:dr.hajun.zhang@ieee.org) Authors need to register to submit their papers.

#### Guest Editors:

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