Overview:
Recent years, both cellular networks and wireless local area networks (WLAN) pay great attentions to the next generation networks in unlicensed band (UB-NGNs) in order to catch up with the ever-increasing wireless traffic demands. UB-NGNs include, for example, MuLTEfire, Licensed-Assisted Access (LAA), LTE-u in cellular networks, IEEE 802.11ax, 802.11ay, and etc. Media access control or multiple access control (MAC) is indispensable for wireless networks. It tries to make sure multiple users to share the wireless resources efficiently, fairly and systematically. However, since unlicensed band is open and even free, the MAC for UB-NGNs will be quite different and difficult comparing with networks in licensed band. Now, UB-NGNs are still being studied, therefore the MAC technologies for the current UB-NGNs need to fully design and further optimize urgently. Therefore, This Special Issue focuses on the MAC technology for the UB-NGNs.

The special issue focuses on the MAC technologies for the next generation networks in unlicensed band.

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

- MAC analysis for UB-NGNs
- MAC protocol design for UB-NGNs
- Simulation platform and testbed for UB-NGNs
- Resource allocation and scheduling scheme and/or algorithm for UB-NGNs
- Coexistence solutions for UB-NGNs
- Big data and artificial intelligence for MAC design of UB-NGNs
- New multiple access technologies for UB-NGNs such as non-orthogonal multiple access, Filtered-OFDMA
- New features for UB-NGNs, e.g., device-to-device (D2D), Internet of things (IoTs), full duplex communications, non-orthogonal multiple access, and etc.

Important Dates

- Manuscript submission deadline: June 1, 2018
- Notification of acceptance: Aug 15, 2018
- Submission of final revised paper: Oct 1, 2018
- Publication of special issue (tentative): 4nd Quarter, 2018

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 Guest Editor at the following email address: libo.npu@nwpu.edu.cn.

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