Overview:
An ad hoc network is a wireless system in which network nodes (mobile or static) are connected via wireless links and cooperate to self-organize into a network with no need for any infrastructure such as access points or base stations. Ad hoc networks cover a variety of paradigms such as mobile ad hoc networks (MANETs), sensor networks, vehicular networks, underwater networks, airborne networks, underground networks, personal area networks, and home networks. These types of networks promise a wide range of applications in civilian, commercial, and military areas. However, the distributed and multi-hop nature of ad hoc networking as well as the highly dynamic topology of ad hoc networks due to node mobility has presented many formidable technical challenges, such as scalability, quality of service, reliability and security, and energy efficiency, which have invigorated a considerable amount of research activities in this broad area in recent years.

The purpose of this special issue is to present a collection of high-quality research papers mainly selected from AdHocNets 2018. Prospective authors are invited to submit an extension of their final published conference papers on topics including but not limited to:

| - Network architectural and protocols | - Network scalability and capacity |
| - Non-orthogonal multiple access | - Reliability and fault tolerance |
| - MAC, routing, and transport protocols | - Security and privacy |
| - Resource allocation and management | - Middleware for ad hoc networks |
| - Network control and management | - SDN-based ad hoc networks |
| - Power control and management | - NFV-based ad hoc networks |
| - Topology control and management | - Edge/fog/cloud computing for ad hoc networks |
| - Quality of service provisioning | - Machine learning (or AI) for ad hoc networks |
| - Service discovery | - Low-power wide-area IoT networking |
| - Ranging and node localization | - Massive machine connections for IoT |
| - Time synchronization | - Performance modeling and analysis |
| - Data fusion | - Applications of ad hoc networks |

Important Dates

- Invitation of extended paper submissions: February 1, 2019
- Manuscript submission deadline: March 1, 2019
Notification of acceptance: March 31, 2019
Submission of revised manuscripts: April 1, 2019
Publication of the special issue (tentative): August 2019

Submission Procedure

Authors should follow the MONET Journal manuscript format described at the journal site. A manuscript should be submitted on-line through http://www.editorialmanager.com/mone/. A PDF version of the submitted manuscript should also be emailed to the Guest Editors at the following email address: junzheng@seu.edu.cn

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