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ACM/Springer Mobile Networks & Applications (MONET)
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SPECIAL ISSUE ON
Towards Future Ad Hoc Networks: Technologies and Applications (AdHocNets 2018)

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:

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| <ul style="list-style-type: none">- Network architectural and protocols- Non-orthogonal multiple access- MAC, routing, and transport protocols- Resource allocation and management- Network control and management- Power control and management- Topology control and management- Quality of service provisioning- Service discovery- Ranging and node localization- Time synchronization- Data fusion | <ul style="list-style-type: none">- Network scalability and capacity- Reliability and fault tolerance- Security and privacy- Middleware for ad hoc networks- SDN-based ad hoc networks- NFV-based ad hoc networks- Edge/fog/cloud computing for ad hoc networks- Machine learning (or AI) for ad hoc networks- Low-power wide-area IoT networking- Massive machine connections for IoT- Performance modeling and analysis- Applications of ad hoc networks |
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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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