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SPECIAL ISSUE ON
Emerging Networking Technology for Internet of Things

Overview:
The Internet of Things (IoT) is considered to be one of the most critical network forms that the next generation wireless network must support, which will increasingly affect human life and work. Network technology is one of the core technologies of the Internet of Things since it is responsible for connecting multiple devices of the Internet of Things efficiently to achieve the purpose of information transmission, data processing and resource sharing. In recent years, academia has proposed many valuable protocols, algorithms and solutions for the networking technology of Internet of Things, while industry and standardization organizations (such as 3GPP and IEEE) are also accelerating the standardization process of the Internet of Things. At present, the Internet of Things is expanding to the fields of vehicle network, smart city, smart home, space network and so on. In order to cope with the rapid development of application scenarios and business service requirements, Internet of Things networking needs to explore and introduce a series of emerging research results. Therefore, the special issue focuses on the emerging networking technologies for the next generation IoT.

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

- New network architectures for IoT
- Routing algorithms and protocols for IoT
- Multiple access control technology for IoT
- 5G enabling IoT networking technology
- 802.11 enabling IoT networking technology
- M2M and V2X Networking
- IoT Standardization
- Information theory and processing of IoT
- Ad Hoc networking for IoT
- Emerging PHY technology for IoT
- Multi-media technology for IoT
- Big data for IoT networking
- AI/ML/DL assisted IoT
- Cloud computing, fog computing, and edge computing for IoT
- IoT for space communications and networking
- IoT as a service
- Green Networking
- Sensor Networking

Important Dates

- Manuscript submission deadline: October 18, 2019
- Notification of acceptance: December 18, 2019
- Submission of final revised paper: February 18, 2020
- Publication of special issue (tentative): 2st or 3nd Quarter, 2020
Submission Procedure

Authors should follow the MONET Journal manuscript format described at the journal site. Manuscripts should be submitted online through http://www.editorialmanager.com/mone/.

A copy of the manuscript should also be emailed to the Guest Editors at the following email address(es): libo.npu@nwpu.edu.cn.

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Dr. Bo Li received the B.S., M.S. and Ph.D degrees in communications engineering from Xidian University, Xi’an, China, in 1994, 1996 and 2002, respectively. From 1997 to 1998, he was selected to study in the Electrical Engineering Department of Shizuoka University in Japan as an exchange student. From 2002 to 2004, he was a Postdoctoral Researcher at the University of Trento, Trento, Italy. In 2007, as a visiting professor, he visited the CITI LAB of INSA LYON for 6 months. He is currently with the School of Electronics and Information Engineering, Northwestern Polytechnical University, Xi’an, China, as a Full-Time Professor. He has authored about 80 research papers in the area of wireless communications and networking. Among these papers, some are published on famous international journals, such as, the IEEE Transactions on Vehicular Technology, the IEEE Communication Letters, and the International Journal of Computer Networks and so on. Moreover, these papers are cited by other authors for over 200 times. His current research interests include broadband wireless mobile networks, wireless local area networks, multimedia wireless communication networks, cross-layer design of wireless communications systems and resource allocations. In the above research areas, he is holding 13 authorized invention patents.

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Mobile Networks and Applications
The Journal of SPECIAL ISSUES on Mobility of Systems, Users, Data and Computing
Editor-in-Chief: Chlamtac, I.
ISSN: 1383-469X (print version)
ISSN: 1572-8153 (electronic version)
Journal no. 11036