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

SPECIAL ISSUE ON

Current and Future Trends in Wireless Communications' Protocols and Technologies

http://www.springer.com/engineering/signals/journal/11036

Overview

Information and Communications Technology (ICT) has significantly progressed in recent years by relying heavily on wireless communications. Currently, most of the devices and systems are connected via wireless technologies and numerous emerging solutions and applications are proposed based on wireless communications. Further, with the introduction of concepts such as Internet of Things (IoTs), nearly countless number of devices will be connected in a global network through wireless interfaces, using standard protocol solutions. The connectivity of these plethora of devices will be heavily relying on wireless communications and therefore, the challenges such as scalability, reliability, signal coexistence, data rate and energy consumption faced by the existing systems need to be thoroughly analyzed. In addition, the proposal for 5G technologies aims to provide very high data-rates, massive number of devices connectivity, very high reliability and low latencies. Therefore, efforts are underway to consider beyond state of-the-art protocols and mechanisms for wireless communication. Thus, the next generation of wireless communication is expected to meet the demands of various challenging use cases that go far beyond distribution of voice, video and data. Therefore, this special issue aims to present the solutions that address the challenges wireless communication systems are facing.

Original, high quality contributions that are not yet published, submitted or not currently under review by other peer-reviewed conferences are sought.

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

Topics

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− 5G technologies	− IoT and Wireless Communication Requirements
− Wireless vehicular communications	− Novel Wireless Protocol Designs
− Wireless Sensor Networks	− Energy Efficient Wireless Communications
− Reliable Wireless Communications	− Analysis of the Challenges on the Existing Wireless System
− Future QoS requirements of Wireless Networks	
− LTE-A and Heterogeneous wireless networks	− Co-existence of Wireless Communication Technologies
− Wireless Communication Technologies for Smart mobility	
− Security and privacy Concerns in Wireless Communications	− Simulation Field trials/Testbed Implementations

Important Dates

- Submission deadline*: ~~15-06-2017(Open Submission)~~ **15-08-2017 (Only Future5V conference Submissions)**

- Notification of acceptance: ~~01-08-2017~~   **15-09-2017**

- Submission of final revised paper: ~~15-09-2017~~, **30-09-2017**

- Publication of special issue (tentative): November 2017

*NOTE: From 15-06-2107 onwards only Future5V conference extended papers will be considered for review.

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: alam@av.it.pt with subject field containing "**Current and Future Trends in Wireless Communications' Protocols and Technologies**". In addition, authors whose selected papers have been accepted and presented at **2nd EAI International Conference on Future Intelligent Vehicular Technologies (Future5V) 2017, Pakistan,** are invited to submit an extended and revised version of their papers to this special issue.

Guest Editors:

Dr. Muhammad Alam Instituto de Telecomunicações, University of Aveiro, Portugal.

Assistant-Prof. Mian Ahmad Jan Abdul Wali Khan University Mardan, Pakistan

Prof. Lei Shu Guangdong University of Petrochemical Technology, China.

Prof. Xiangjian He University of Technology Sydney, Australia.

Dr. Yuanfang Chen, University Pierre and Marie Curie (University of Paris VI) France.