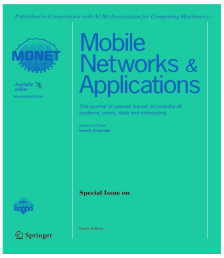

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SPECIAL ISSUE ON
Security and Privacy Protection for Mobile Applications and Platforms

Overview:

Mobile networks and applications are currently developing at a rapid pace due to the increasing relevance of mobile IoT in strategic scenarios such as Smart Cities, Intelligent Transportation and Industry 4.0. Novel digital technologies will enable cities and industry to streamline their infrastructures, which will improve the inhabitants' well-being, boost their production processes, and provide efficient and scalable logistics while maintaining the ever increasing demand for green and eco-friendly technological standards. However, this rapid growth of distributed connected mobile systems will pose a challenge on how to protect mobile devices and preserve the privacy of the users. Preventing malware attacks, remote hijacking, DDoS attacks, or traffic analysis and user profiling will be of paramount importance to protect applications and platforms functionality and preserve user privacy. This special issue will focus on novel and original security and privacy solutions for mobile applications and platforms. We solicit submissions addressing the important challenges (see the non-exhaustive list of topics below) and presenting novel research or experimental results.

Special Issue co-located with EAI-BROADNETs 2018
(http://broadnets.org/show/home)

Authors submitting to this Special Issue will have the opportunity to submit a shorter version of the paper to the conference BROADNETs 2018. Also, authors that submit their paper directly to the conference will be candidates for inclusion of an extended version in this MONET special issue.

Topics

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

- Lightweight security mechanisms for IoT
- Blockchain-based IoT security solutions
- Physical-layer security for MIMO systems
- Large scale pilots and testbeds for secure mobile IoT applications and platforms
- Lightweight security for underwater networks
- Security and privacy for D2D communications
- Security and privacy for mobile devices
- Security for network coding-enabled wireless networks
- Secure data aggregation for underwater sensor networks
- Cybersecurity for Cyber Physical Production Systems (CPPSs)
- Security and privacy for Smart City applications and platforms
- Security and privacy for hybrid satellite-based applications

Important Dates

- Manuscript submission deadline: 18 July 2018
- Notification of acceptance: 20 September 2018
- Submission of final revised paper: 20 October 2018
- Publication of special issue (tentative):

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 Editors at the following email addresses: vsucasas@ua.pt, gimantas@av.it.pt, jf.martinez@upm.es and saud.althunibat@ahu.edu.jo.

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