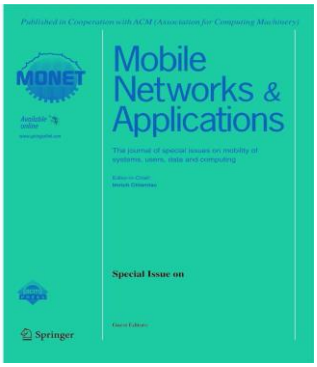

Call for Papers
ACM/Springer Mobile Networks & Applications (MONET)

SPECIAL ISSUE ON

Securing Internet of Things through Big Data Analytics

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

Overview

The "IoT" heralds the connections of a nearly countless number of devices to the internet thus promising accessibility, boundless scalability, amplified productivity and a surplus of additional paybacks. The hype surrounding the IoT and its applications is already forcing companies to quickly upgrade their current processes, tools, and technology to accommodate massive data volumes and take advantage of insights. Since there is a vast amount of data generated by the IoT, a well-analyzed data is extremely valuable. However, the large-scale deployment of IoT will bring new challenges and IoT security is of them. The philosophy behind machine learning is to automate the creation of analytical models in order to enable algorithms to learn continuously with the help of available data. Continuously evolving models produce increasingly positive results, reducing the need for human interaction. These evolved models can be used to automatically produce reliable and repeatable decisions. Today's machine learning algorithms comb through data sets that no human could feasibly get through in a year or even a lifetime's worth of work. As the IoT continues to grow, more algorithms will be needed to keep up with the rising sums of data that accompany this growth. One of the main challenge of the IoT security is the integration with communication, computing, control, and physical environment parameters to analyze, detect and defend cyber-attacks in the distributed IoT systems. Therefore, this special issue will explore the potentials of big data analytics by going beyond the existing simple approaches and present more advanced practices with well authentic implementations and results both at academic and industrial level.

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

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

– Novel Big Data analytics methods for IoT security – Big Data analytics/machine learning/deep learning for edge/fog security – Big Data Analytics for Security Intelligence – Machine learning applications to IoT security – Authentication and access control for data usage in IoT	– Data confidentiality and privacy in IoT through Big data – Novel Big Data Analytics architectures for IoT security – Novel Big Data Analytics based protocols for privacy management in IoT – Securing Big data sharing in IoT

Important Dates

- Submission deadline: **01-07-2018**
- Notification of acceptance: **01-09-2018**
- Submission of final revised paper: **01-10-2018**
- Publication of special issue (tentative): November 2018

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.

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