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ACM/Springer Mobile Networks & Applications (MONET)

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SPECIAL ISSUE ON

Security and Privacy in Internet of Things

Overview:

In our daily life we interact with lots of IT devices. We use these connected devices for lots of purposes such as to access documents in the cloud, visualize photos, measure the temperature in a smart home, etc. This trend has been called Internet of Things (IoT).

The potential use cases for IoT are quite varied. For example, IoT can be used in the healthcare sector to monitor body functions in a remote way. Another scenario which is attracting attention is the interconnection of vehicles, forming a particular type of network referred to as VANET. This enables driving vehicles to enjoy advanced safety-related, traffic management or infotainment services.

Despite the huge amount of benefits that these devices and networks provide, security and privacy cannot be taken for granted. In an era in which our data lives in the cloud and it is shared among many people and devices, security and privacy are key pieces of the jigsaw. Even more, the widespread interest in the IoT and its associated technologies (RFID, NFC, etc.) and the criticality of their applications (medical, monitoring, etc.) call for developing tailored approaches suitable for their constrained resources. Thus, the time is now for searching for novel approaches in this regard.

This Special Issue targets to address novel approaches in security and privacy in the field. Expected contributions have to identify novel models, techniques, protocols, algorithms or architectures, etc. that provide the said properties. Papers focusing on particular IoT settings (e.g. healthcare, vehicular networks, etc.) fall within the scope. Proposals which include an available implementation and extensive evaluation would stand out over the rest.

Topics

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

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| - Privacy and anonymity in the IoT | - Authentication and access control in the IoT |
| - Confidentiality in the IoT | - Trust in the IoT |
| - Risk management/ assessment in the IoT | - Security architectures in the IoT |
| - Cryptographic algorithms in the IoT | - Secure and private location-based services for the IoT |
| - Novel applications, services and secure mechanisms for IoT-enabled settings (e.g. healthcare services, VANETs, etc.) | - Hardware security for the IoT |

Important Dates

- **Manuscript submission deadline: October, 22nd, 2017**
- Notification of acceptance: December, 18th, 2017
- Submission of final revised paper: January, 18th, 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 address:

jfuentes@inf.uc3m.es

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