Journal of Wireless Mobile Networks, Ubiquitous Computing, and Dependable Applications (JoWUA)

Special Issues on Practical Cryptography for Mobile Computing

It is no doubt that cryptography can solve a number of security problems at least theoretically. However, when cryptographic solutions are applied to the real- world systems, unexpected issues arise. One of the examples is the Secure Socket Layer (SSL) Transport Layer Security (SSL/TLS) protocol, which features a number of provably-secure cryptographic schemes and protocols but has found to be vulnerable to a variety of attacks.

Mobile computing environment gives us more challenges when cryptography is used to solve security problems due to mobility, efficiency and scalability issues. In this special issue, we aim to publish research works of all endeavor to design, implement and analyze practical cryptographic solutions for mobile computing environment. The topics of this special issue include but not limited to:

- Cryptographic Engineering
- Cryptographic Software
- Cryptographic Standards for Mobile Computing
- Embedded Cryptography
- Passwords and Authentication in Mobile Computing Environment
- Public Key Infrastructure for Mobile Computing
- Trusted Platform Module (TPM)
- Implementations of Cryptography on Lightweight Devices
- Cryptographic API
- Cryptographic Ransomware for Mobile computing
- Cryptography for Internet of Things
- Searching on Encrypted Data on Mobile Devices
- Side Channel Analysis for Mobile Devices

Submissions

We seek papers from all researchers with an interest in these issues, and we will also select papers from the **23rd Australasian Conference on Information Security and Privacy** (ACISP 2018) (https://ssl.informatics.uow.edu.au/acisp2018/). Outstanding papers from the ACISP 2018 conference accepted for the issue will be substantially extended, with at least 30% additional or different materials from conference versions of the paper and will be subject to peer review.

Interested researchers are advised to submit their manuscripts via EasyChair as described in the JoWUA webpage: http://jowua.com/submission.php. The following guest editors will handle your manuscript.

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Important Dates

Submissions due: **September 30, 2018**

Notification: **November 1, 2018**

Revisions due: **November 15, 2018**

Final Notifications: **December 1, 2018**