

Call for Papers

IET Information Security

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Special Issue: Lightweight and Energy-Efficient Security Solutions for Mobile Computing Devices

In the modern life, computing devices are becoming more and more mobile and embedded, meaning that they are vulnerable to power limitation and low resources. In this context, the needs of lightweight and energy-efficient security solutions to secure communication as well as applications in which they are involved are inescapable. The targeted mobile devices are small and low computational ones such as RFID, Contactless Smart Card, Wireless Sensors Nodes, to name a few. The aim of this Special Issue is to publish state-of-the-art research results in recent advances in Lightweight and Energy-Efficient Security Solutions for Mobile and Pervasive Computing Devices.

Topics of primary interest include, but are not limited, to:

Lightweight Security and Privacy, and Energy-Efficient Solutions:

- Design, analysis and implementation of lightweight cryptographic protocols and applications/Low-power cryptographic architectures
 - Hardware and software implementation and design
 - Formal methods for analysis of lightweight cryptographic protocols
- Design, analysis and implementation of lightweight privacy-preserving protocols and systems
- Mobile Computing Devices in Applications: critical infrastructure protection
- Wireless network security for low-resource devices
- Benchmark, Test and Evaluation framework and metrics

Applications in Mobile Computing for:

- Steganography and secret hiding
- Multimedia security
- Authentication and privacy
- Network forensics
- Fraud detection
- RFID Security and user Privacy

Original, high quality contributions that are not yet published or that are not currently under review by other journals or peer-reviewed conferences are sought. Manuscripts should not exceed 6000 words (excluding references, tables and figures) and must follow with guidelines available at <http://digital-library.theiet.org/journals/author-guide>. Each submitted paper will be reviewed by at least three qualified reviewers.

Important dates:

Submission deadline:
14 Sept 2015

First Acceptance:
14 Nov 2015

Amended Versions:
15 Feb 2016

Publication Date:
15 Apr 2016

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