

Special Issue Call for Papers

Security and Communication Networks (ISSN: 1939-0122)

Special Issue on Human-centric Security Service and its Application in Smart Space



Introduction

ICT (Information Communication Technology) paradigms are standing on the new internet era, 'Internet of Things', which is going to rapidly evolve Smart Space. The concept of Smart Space would create the environment where real world myriad things and intelligent devices are connected via wire/wireless networks. As the Smart Space is approaching, this phenomenon will pose an important challenge in the perspective of information security. While the characteristics of the existing environment include passive information process and system-based computing, Smart Space possesses the characteristics of kinetic information process and user context-based service. In this environment, the information could be easily collected and misused in various ways, due to connection between virtual and physical space, regardless of time and physical limitation.

To guarantee confidentiality, integrity and availability of information in this environment, the existing security service/system would encounter some limitations. Considering the characteristics of recent incidents, utilizing the state of art technology, information leakage takes place via diverse channels, including social engineering. In this vein, it is time to change paradigms, which is focused on human behavioral aspects of security system. What is called Human-centric Security is to upgrade the existing information security system by considering various elements of our daily life including human behavior, characteristics of organization or nation, changes in modern society, and integrated / converged information security management (including physical security, technical security, and managerial security). Specifically this security service is capable of profiling a certain information system user's future action by accumulating and analyzing user log data, behavior, knowledge about information security, attitude and behavior.

The main motivation for this special issue is to bring together researchers and practitioners working on related fields in Intelligent Information Security and its applications to present current research issues and advances. The aim of this special issue is to provide a platform for the discussion of the major research challenges and achievements on various topics of interest.

Topics

Papers on practical as well as on theoretical topics and problems are invited. Topics include (but are not limited to):

- Law and Regulation Issue in Smart Space (Open Environment)
- Organizational Security Behavior
- Security Evaluation for Organization
- Social Security Culture
- Security Policy and Awareness
- Privacy and Security Issue
- Methodology for Human–centric Security Service Design
- Multi–dimensional User Pattern Recognition Security System
- Intelligent Intrusion Detection, Prevention & Response
- Intelligent Digital Forensics and Diagnostics
- Security Case Studies

Submission Guideline

Only original and unpublished research papers will be considered in this special issue. All submissions will be reviewed based on technical merit and relevance. Guidelines for prospective authors can be found on–line at <http://www.interscience.wiley.com/journal/security>). Prospective authors should submit their paper online at <http://mc.manuscriptcentral.com/scn>. When submitting the papers, the authors MUST make sure to select Manuscript type as "Special Issue", enter the "Running Head" and the "Special Issue title" as "SCN–SI–046" and "Human–centric Security", respectively. Failure to do so may result in reject of your submission without review.

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Important Dates

Deadline for manuscript submission: 31 Oct. 2012

Acceptance notification: 31 Dec. 2012

Final manuscript due: 28 Feb. 2013

Publication date: 1st Quarter or 2nd Quarter of 2013 (Tentative)

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