Call for Papers
Electronic Commerce Research
Springer
Special Issue on IT Convergence and Security

Theme and Scope

As we entered the 21st century, the rapid growth of information technology (IT) has changed our lives more conveniently than we have ever speculated. Recently in all fields of the industry, heterogeneous technologies have converged with IT resulting in a new paradigm, information convergence. In the process of information convergence, the latest issues in the structure of data, system, network, and infrastructure have become the most challenging task.

In order to realize IT advantages, it requires the integration of security and data management to be suitable for convergence environments. However, there are still many problems and major challenges waiting for us to solve such as the security risks in convergence application, which could appear when devices interact with different kinds of applications. Therefore, we need to explore a security in convergence environments.

The goal of this issue is to discover a new progressive technology by upgrading the previous technologies and to solve the technical problems that may have occurred in the process of converging technology in various fields. It will reflect the state-of-the-art of the computational methods, involving theory, algorithm, numerical simulation, error and uncertainty analysis and/or application of innovative processing techniques in engineering, science, and other disciplines related to IT convergence and security. The papers will be peer reviewed and will be selected on the basis of their quality and relevance to the theme of this special issue. Papers on practical as well as on theoretical topics and problems are invited. The best high-quality papers will be only selected.

Topics of interest include, but are not limited to:

- Security model for convergence environments
- Security for open convergence system
- Smartphone security Issue
- Embedded security in cars
- Security issues in WSN / RFID
- IPTV security services in the BcN
- Security and privacy for intelligent vehicular systems
- Security for Broadband convergence Network
- Commercial or industrial Issue in convergence environments
- Information security in convergence environments
- Cryptographic technologies for IT convergence and security
- Digital forensics and anti-forensics
- Security applications and services for convergence environments
- Service managements and policies for convergence environments

Instructions for Manuscripts

Guidelines for preparation of the manuscripts are provided at the Electronic Commerce Research website, http://www.springer.com/business+%26+management/business+information+systems/journal/10660. Manuscripts (pdf and sourcefiles) must be directly emailed to the Corresponding Guest Editor - Dr. Kitae Jeong (kitaejeong.ftra@gmail.com) with the indication that the submission is for the Special Issue on “IT Convergence and Security”. The manuscript should include a title page containing the title of paper, full names and affiliations, complete postal and electronic addresses, an abstract and some keywords. All papers will be rigorously reviewed based on the quality: originality, high scientific quality, organization and clarity of writing, and support provided for assertions and conclusion.
Important Dates

• Manuscript submission deadline: Dec. 15, 2012
• Notification of Acceptance/Rejection/Revision: Feb. 01, 2013
• Revised paper due: Mach 01, 2013
• Final paper submission deadline: April 01, 2013
• Tentative Publication Date: 3rd or 4th Quarter, 2013

Guest Editors

• Prof. Stefanos Gritzalis
  University of the Aegean, Greece
  sgritz@aegean.gr

  Prof. Stefanos Gritzalis is a Professor at the Department of Information and Communication Systems Engineering, University of the Aegean, Greece and the Director of the Laboratory of Information and Communication Systems Security (Info-Sec-Lab). He also serves as the Special Secretary at the Greek Ministry of Public Administrative Reform and Electronic Governance. He holds a BSc in Physics, an MSc in Electronic Automation, and a PhD in Information and Communications Security from the Dept. of Informatics and Telecommunications, University of Athens, Greece. He has been involved in several national and EU funded R&D projects.

• Dr. Justin Z. Zhan
  Carnegie Mellon University, USA
  justinzzhan@gmail.com

  Dr. Justin Zhan is the director of iLab at Department of Computer Science, North Carolina A&T State University. He has previously been a faculty member at Carnegie Mellon University and National Center for the Protection of Financial Infrastructure in South Dakota State. His research interests include Information Assurance, Social Computing, Biomedical Computing and Health Informatics.

• Dr. Kitae Jeong (Corresponding Editor)
  Korea University, Korea
  kitaejeong.ftra@gmail.com

  Dr. Kitae Jeong received his Ph.D. degree in Graduate School of Information Security from Korea University, Korea, in 2011. He is now a research professor with Center for Information Security Technologies (CIST) at Korea University. His research interests include cryptanalysis and design of block ciphers and stream ciphers.