

Call for Papers

Security and Privacy in Emerging Information Technologies

Security and Communication Networks, Wiley InterScience

Scope:

With the advancement in information technologies including pervasive computer applications, rapid deployments of new wireless networks like 3G, Wifi, WiMAX and their tight coupling to the Internet, computer and network security has been critically important. This special issue will address all aspects of the modeling, designing, implementation, deployment, and management of computer/network security systems, architectures and protocols. We solicit contributions to the evaluation, optimization, and/or enhancement of security mechanisms for current technologies as well as new designs for efficient security and privacy solutions of emerging technologies, e.g., cognitive radio networks. High quality and original research papers are solicited in all related areas of emerging IT technologies. Topics of interest include, but are not limited to:

- Security design for cognitive radio networks
- Mobile code security
- Distributed system security
- Formal trust models
- Information hiding and watermarking
- Intrusion detection and avoidance
- Biometric security
- Key distribution and management
- Light-weight cryptography
- Network security metrics and performance evaluation
- Data and system integrity
- Computer and Network Forensics
- Robust Security Network (RSN)
- Security Design for Sensor/Ad Hoc Networks
- Security and Privacy in VANETs
- Privacy-preserving Systems
- Security and Privacy in Healthcare
- RFID security
- Smart Cards and Secure Hardware
- Cross Layer Approach to security
- Secure PHY/MAC/routing protocols
- Secure cooperation in wireless networks
- Security and vulnerability analysis
- System Security
- Privacy and Security Compliance
- Web Service Security
- Quantum Security in Networks
- Network Coding Security
- Social Network Security

Submitted papers should not be under consideration elsewhere for publication and the authors must follow the guidelines for preparation of the manuscripts. The language of the journal is English. 12-point type in one of the standard fonts, Times, Helvetica, or Courier is preferred. The paper length should not exceed 20 pages total including all figures and illustrations. It is not necessary for authors to double-line space their manuscript. Figures and tables must be on separate pages after the reference list, and not be incorporated into the main text. Figures should be uploaded as separate figure files. For manuscript submission authors should follow the guidelines described in Section “For Authors” at <http://www.interscience.wiley.com/security>. Prospective authors should submit their paper online at <http://mc.manuscriptcentral.com/scn>. When submitting the papers, the authors should make sure to choose the Manuscript type as “Special Issue”, enter the “Running Head” and the “Special Issue title” as “SCN-SI-022” and “IT Security”, respectively.

Important Dates:

Submission due: October 1, 2010
Notification of acceptance: January 1, 2011
Final paper due: March 1, 2011
Publication date: May 1, 2011 (Tentative)

Guest Editors:

Xiaodong Lin
Faculty of Business and Information Technology
University of Ontario Institute of Technology
Oshawa, Ontario, Canada L1H 7K4
Email: xiaodong.lin@uoit.ca

Jianwei Liu
School of Electronics & Information Engineering
Beihang University
37 XueYuan Road, Haidian District
Beijing 100083, China
Email: liujianwei@buaa.edu.cn

Gritzalis Stefanos
Department of Information and Communication Systems Engineering
University of the Aegean Karlovassi, Samos, GR-83200, Greece
Email: sgritz@aegean.gr