

Concurrency and Computation: Practice and Experience (Wiley) **- Special Issue on Trust, Security and Privacy for Emerging Applications in Computer and Information Systems**

The authors whose papers have been **accepted and presented** at “The 10th IEEE International Conference on Computer and Information Technology (CIT-2010)”, or the associated workshops including “The Third IEEE International Symposium on Trust, Security and Privacy for Emerging Applications (TSP-10)”, are invited to submit their extended and revised papers to this special issue. Each journal paper has to extend the conference version by containing at least 30% new material.

Call for Papers

1. Significance and Description

Satisfying user requirements for trust, security and privacy (TSP) in an efficient way is one of the first considerations for almost all emerging applications in computer and information systems, using emerging technologies such as pervasive computing, peer to peer computing, grid computing, cloud computing, virtualization, and mobile and wireless technologies. Challenges arise as emerging applications evolve to provide more scalable and comprehensive services. One of the biggest challenges is that traditional security technologies and measures may not meet user requirements in open, dynamic, heterogeneous, and distributed computing environments. Therefore, we need to build networks and systems in which emerging applications allow users to enjoy more scalable and comprehensive services while preserving trust, security and privacy at the same time. This special issue aims at putting together research results on trust, security, privacy, and related issues such as technical, social, and cultural implications for all emerging devices, services, applications, networks, and systems.

2. Topics

This special issue in “Concurrency and Computation: Practice and Experience (Wiley)” will focus on the trust, security, privacy, and related issues such as technical, social and cultural implications for emerging applications. It suggests topics as follows, but not limited to:

- (1) TSP metrics, architectures, and models
- (2) TSP in pervasive computing
- (3) TSP in peer to peer computing
- (4) TSP in grid computing
- (5) TSP in cloud computing
- (6) TSP in mobile and wireless communications
- (7) TSP in cyber-physical systems

- (8) TSP in parallel and distributed systems
- (9) TSP in e-commerce and e-government systems
- (10) TSP in hardware and software co-design
- (11) TSP in operating systems
- (12) TSP in database systems
- (13) TSP in virtualization technologies
- (14) Privacy and anonymity technologies
- (15) Risk analysis and management
- (16) Reliability, dependability, and fault tolerance
- (17) Network attacks and defenses
- (18) Cryptography and security protocols
- (19) Authentication, access control, and accounting
- (20) Miscellaneous TSP issues

3. Submissions

The authors whose papers have been accepted and presented at (The 10th IEEE International Conference on Computer and Information Technology (CIT-2010) or the associated workshops including “The Third IEEE International Symposium on Trust, Security and Privacy for Emerging Applications (TSP-10)”, are invited to submit their extended and revised papers to this special issue. Each journal paper has to extend the conference version by containing at least 30% new material.

All contributions should be original and not published elsewhere or intended to be published during the review period. The authors’ guide is available at <http://as.wiley.com/WileyCDA/WileyTitle/productCd-CPE.html>. To ensure high quality, all papers will go through a rigorous peer-review process by at least two international researchers. All papers must be submitted online: <http://mc.manuscriptcentral.com/cpe>

Authors must select Special Issue: CIT-2010 when they reach the “Article Type” step in the submission process.

After the paper submission, the corresponding author of the paper is required to send a message highlighting the information of the paper submission and the early conference/workshop paper information to the guest editors.

4. Important Dates

Deadline for paper submission----- **December 30, 2010 (Firm Deadline)**
 Notification of acceptance----- **February 28, 2011**
 Deadline for camera-ready paper submission----- **April 30, 2011**
 Tentative publication----- **June 30, 2011**

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