

Call for Papers

2009 International Workshop on Network Assurance and Security Services in Ubiquitous Environments

NASSUE-2009

June 25-27, 2009
Seoul, Korea

in conjunction with
The 3rd International Conference on Information Security and Assurance (ISA-09)

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2009 International Workshop on Network Assurance and Security Services in Ubiquitous Environments (NASSUE-2009) is focused on network assurance and security (NAS) measure, which has become an important research issue in ubiquitous environments (UE). The objective of this workshop is to provide an effective forum for original scientific and engineering advances in NAS issues in UE. It will highlight the various aspects of NAS - especially on the crucial linkage between availability, compliance, and security. NASSUE-2009 aims to bring together researchers, practitioners, developers, and policy makers to share and exchange ideas and to learn about latest developments, problems and solutions related to NAS issues in UE.

Webpage: <http://www.sersc.org/NASSUE2009/>

Topics (include but are not limited to the following)

- Availability, dependability, survivability, & resilience issues in UE
- Authentication and identity management in UE
- Authorization and access-control in UE
- Risk assessment, and management in UE
- Redundancy, reliability models, and failure prevention of UCS
- Trust modeling and management in UE
- Fault-tolerant architectural and operational models in UE
- Network security issues and protocols in UCS
- Cryptographic protocols and key management in UCS
- Agent-based technologies for NAS.
- Cross-layer design for security mechanisms
- Real-time technology for NAS systems.
- QoS provisioning in UCS
- Network control technologies for NA.
- Novel threat, attacks, vulnerabilities, and countermeasures
- DoS attacks and mitigation
- Reverse engineering of malicious code
- Intrusion detection, IDS / IPS in UE
- Anonymity, user privacy, and location privacy in UE
- Content protection and DRM for UCS
- System/network management techniques and strategies in UE.
- Network forensics and fraud detection
- Surveillance and Privacy-enhancing technologies in UE
- Adaptive and Autonomic security for UCS
- Role of biometrics in UE
- NAS issues in e-commerce, e-government, e-health
- NAS implementation in P2P systems, vehicular system, web application, disaster relief etc
- Specification, design, development, and deployment of NAS mechanisms
- Models, architectures and protocols for NAS
- Standards, guidelines and certification for NAS in UE
- Metrics for measuring security, assurance and dependability
- Designing business models with NAS requirements
- Formal methods and software engineering for NAS
- Legal, ethical and policy issues related to NAS in UE
- Proactive approaches to NAS
- New ideas and paradigms for NAS in UE

Important dates

- Full Paper Due: February 19, 2009 (**Extended**)
- Notification of Acceptance: March 19, 2009
- Final Camera-Ready Due: April 03, 2009

Paper Submission and Publication

Every submitted paper will be carefully reviewed by at least two PC members. Authors should submit paper with about 4 pages (short paper) or 6 pages (regular paper) by using Online Systems for review. Please use IEEE CS paper format.

All accepted papers will be included in the Conference Proceedings published by IEEE CS (indexed by EI). Outstanding papers accepted and presented in ISA-2009 including NASSUE-2009 (ISA-09 workshop), after further revisions, will be published in Special Issues of International Journals (indexed by SCI/E):

- Computer Communications, Elsevier
- Journal of Supercomputing, Springer
- Journal of Internet Technology, MoE, Taiwan
- Computers & Mathematics with Applications, Elsevier
- Concurrency & Computation: Practice and Experience, Wiley

Contact

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