

## Call For Paper

### 2010 Workshop of Information Security

(Conjunction with ICS 2010)

December 16-18, 2010

National Cheng Kung University, Tainan City, Taiwan (R.O.C.)

<http://ics-2010.csie.ncku.edu.tw/>

2010 Workshop of Information Security intends to provide a forum for disseminating the latest research results in information, network and systems security. This workshop will bring together industry and academic researchers interested in the technical aspects of cryptology and the latest advances in the information, network and systems security. Your presentation at the workshop would be an excellent opportunity for you to meet colleagues and to discuss technology advancements. The workshop covers a broad range of topics in computer security, including, but not limited to, the following areas:

- Access Control
- Accounting and Audit
- Biometric Security
- Cloud Computing Security
- Communication and Network Security
- Denial of Service: attacks and countermeasures.
- Formal Methods in Security
- Fundamental Services on Network and Distributed Systems: authentication, data integrity, confidentiality, authorization, non-repudiation, and availability.
- Implementation, Deployment and Management of Network Security Policies
- Infrastructure Security
- Integrating Security Services with System and Application Security Facilities and Protocols: e.g., message handling, file transport/access, directories, time synchronization, database management, boot services, mobile computing.
- Intrusion Avoidance, Detection, and Response: systems, experiences and architectures.
- Key Management, Cryptographic Protocols and Functions
- Multicast Security
- Network Perimeter Controls: firewalls, packet filters, application gateways.
- Peer-to-Peer Network Security
- Secure E-Mail, Secure Protocols (SSH, SSL, ...)
- Computer Crime and Information Warfare
- Computer Forensics

- Cryptography
- Block/Stream Cipher
- Cryptanalysis
- Cryptographic Protocols and Functions
- Digital Signatures
- Elliptic Curve Cryptosystems
- Hash Functions
- Public Key Cryptosystems
- Deployment Incentives for Security Technology
- Digital Rights Management
- Implementation
- Efficient Hardware Implementations
- Fast Cryptographic Algorithms (Design and Analysis of Cryptographic Algorithms)
- Hardware and Smart/Java Card Applications
- Security of Limited Devices: e.g., adversarial modeling, light-weight cryptography, efficient protocols and implementations.
- Information Hiding and Watermarking
- Internet and Web Security
- Attacks and Prevention of Online Fraud
- Authentication and Authorization
- Copyright Protection
- Cryptographic Applications: e.g., payments, fair exchange, time-stamping, auctions, voting, polling, location services.
- Integrating Security in Internet Protocols: routing, naming, TCP/IP, multicast, network management, and the Web.
- IP Security
- Public Key Infrastructure, Key Management, Certification, and Revocation
- Securing Critical Infrastructure: e.g., routing protocols, the power grid, and emergency communication.
- Language-based Techniques for Security
- New Ideas and Paradigms in Security
- Privacy and Anonymity
- Secure Computing
- Security and Privacy in Pervasive/Ubiquitous Computing
- Security Education and Training
- Security in Information Flow
- Security Modeling and Architectures
- Security Modeling and Protocol Design in the Context of Rational and Malicious Adversaries

- Security of eCommerce, eBusiness and eGovernment
- Social-Engineering and Phishing
- Software Security
- Malicious Codes
- Security for Mobile Code
- Security of Grid Computing
- Software Security, Attacks, and Defenses
- Spyware
- System Security
- Database and System Security
- Distributed Systems Security
- Operating System Security
- Security Evaluations and Measurements
- Trusted Computing
- Wireless, Mobile, Ad Hoc and Sensor Network Security
- Zero Knowledge

### **Paper Submission**

Authors are invited to submit original papers: they must not substantially duplicate work that any of the authors have published elsewhere or have submitted in parallel to any other conferences that have proceedings. The submission of contributions to ICS 2010 Workshop occurs through the ICS 2010 Workshop paper submission website. Paper must be prepared with PDF. Submissions must not exceed 6 pages, including tables and figures, with only PDF. Submission of a paper implies that should the paper be accepted, at least one of the authors will register and present the paper in the conference. Details can be accessed through <http://ics-2010.csie.ncku.edu.tw/>.

### **Formatting Instructions:**

8.5" x 11" x 2 (DOC, PDF)

<http://ics-2010.csie.ncku.edu.tw/index.php?page=cfp>

### **Important Dates**

Paper Submission Due: Aug. 1st, 2010

Acceptance Notification: Sep. 15th, 2010

Final Camera-Ready Due: Oct. 10th, 2010

Conference Dates: December 16-18, 2010

## Chair

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