The 4th International Workshop on Security in Cloud Computing (CloudSec'2012)

http://bingweb.binghamton.edu/~ychen/CloudSec2012.htm

In Conjunction with the 41st ICPP, Pittsburgh, PA, USA, September 12, 2012
http://www.icpp2012.org/

Call for Papers

Cloud Computing has generated interest from both industry and academia since 2007. As an extension of Grid Computing and Distributed Computing, Cloud Computing aims to provide users with flexible services in a transparent manner. Services are allocated in a "cloud", which is a collection of devices and resources connected through the Internet. Before this paradigm can be widely accepted, the security, privacy and reliability provided by the services in the cloud must be well established.

CloudSec'2012 will bring researchers and experts together to present and discuss the latest developments and technical solutions concerning various aspects of security issues in Cloud Computing. CloudSec'2012 seeks original unpublished papers focusing on theoretical analysis, emerging applications, novel system architecture construction and design, experimental studies, and social impacts of Cloud Computing. Both review/survey papers and technical papers are encouraged.

CloudSec'2012 also welcomes short papers related to Security in Cloud Computing, which summarize speculative breakthroughs, work-in-progress, industry featured projects, open problems, new application challenges, visionary ideas, and preliminary studies.

The topics include but are not limited to:

- Emerging threats to Cloud-based services
- Security model for new services
- Security in Cloud-aware web service
- Information hiding/encryption in Cloud Computing
- Copyright protection in the Cloud
- Securing distributed data storage in cloud
- Privacy and security in Cloud Computing
- Forensics in Cloud environments
- Robust network architecture
- Cloud Infrastructure Security
- Intrusion detection/prevention
- Denial-of-Service (DoS) attacks and defense
- Robust job scheduling
- Secure resource allocation and indexing
- Secure payment for Cloud-aware services
- User authentication in Cloud-aware services
- Non-Repudiation solutions in the Cloud
- Security for emerging Cloud programming models
- Performance evaluation for security solutions
- Testbed/Simulators for Cloud security research
- Security hardware, i.e. hardware for encryption, etc.
- Detection and prevention of hardware Trojans

Submission Guidelines

Original papers from the above mentioned and related topics will be considered. Please submit regular full papers (6 to 8 pages) and short papers (2 pages) including all figures, tables, and references. Authors are requested to follow the standard IEEE double column format with Font 10 (http://www.ieee.org/portal/cms_docs/pubs/confpubcenter/pdfs/samplems.pdf). Papers should be submitted electronically in pdf format through the CMT website together with a short abstract (approximately 150 words): (https://cmt.research.microsoft.com/CLOUDSEC2012/) Submitted papers must not have appeared in or be under review/consideration for another workshop, conference or a journal during the review process. Each submission will be reviewed by at least three reviewers. Authors without a CMT account need to create one.

Important Dates

Submission deadline:	Apr. 30, 2012
Notification date:	June 01, 2012
Camera-ready due:	June 20, 2012
Conference dates:	Sept. 12, 2012

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