

September 27, 2007

4th International IEEE Security in Storage Workshop



Paradise Point Resort, San Diego, California USA

Sponsored by the IEEE Computer Society
Task Force on Information Assurance (TFIA)
Part of the IEEE Information Assurance Activities (IEEEIA)

In Cooperation with the
IEEE Mass Storage Systems Technical Committee (MSSTC)

Held In Cooperation and Co-Located With the
Twenty-Fourth IEEE Conference on Mass Storage Systems and Technologies, (MSST07)

Description

Stored information critical to individuals, corporations and governments must be protected, but the continually changing uses of storage and the exposure of storage media to adverse conditions make meeting that challenge increasingly difficult.

Example uses include employment of large shared storage systems for cost reduction and, for convenience, wide use of transiently-connected storage devices offering significant capacities and manifested in many forms, often embedded in mobile devices.

Protecting intellectual property, personal records, health records, and military secrets when media or devices are lost, stolen, or captured is critical to information owners.

To remain or become viable, activities that rely on storage technology require a comprehensive systems approach to storage security. This workshop serves as an open forum to discuss storage threats and the technology and deployment of countermeasures

This workshop serves as an open forum to discuss storage threats, technologies, methodologies and deployment.

The workshop seeks submissions from academia and industry presenting novel research on all theoretical and practical aspects of designing, building and managing secure storage systems; possible topics include, but are not limited to the following:

- Cryptographic Algorithms for Storage
- Cryptanalysis of Systems and Protocols
- Key Management for Sector and File based Storage Systems
- Balancing Usability, Performance and Security concerns
- Unintended Data Recovery
- Attacks on Storage Area Networks and Storage
- Insider Attack Countermeasures
- Security for Mobile Storage
- Defining and Defending Trust Boundaries in Storage
- Relating Storage Security to Network Security
- Database Encryption
- Search on Encrypted Information

The goal of the workshop is to disseminate new research, and to bring together researchers and practitioners from both governmental and civilian areas. Accepted papers will be published by the IEEE Computer Society Press in the workshop proceedings and become part of the IEEE Digital Library.

Submissions

Papers must begin with the title, authors, affiliations, a short abstract, a list of key words, and an introduction. The introduction should summarize the contributions of the paper at a level appropriate for a non-specialist reader. Papers must be submitted in PDF format less than 4MB in size (final paper has no limit). Email submissions must attach the paper, specify if this is a duplicate work, and be submitted electronically to <http://ieeieia.org/sisw/2007/>

Papers should be at most 12 pages in length including the bibliography, figures, and appendices (using 11pt body text and two-column layout). Authors are responsible for obtaining appropriate clearances. Authors of accepted papers will be asked to sign IEEE copyright release forms. Final submissions must be in camera-ready PDF. Authors of accepted papers must guarantee that their paper will be presented at the conference.

Papers that duplicate work that any of the authors have or will publish elsewhere are acceptable for presentation at the workshop. However, only original papers will be considered for publication in the proceedings.

Although full papers are preferred, submissions of extended abstracts describing the final paper will be considered based on merit and assessing the author's ability to complete the paper within the allotted time.

Important Dates

Papers due: June 15, 2007
Notification of acceptance: August 1, 2007
Workshop paper due: September 1, 2007
Workshop: September 27, 2007
Proceedings paper due: October 10, 2007

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