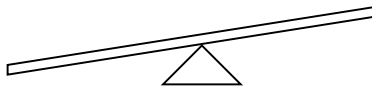




Call For Papers

1st Computer Security Architecture Workshop

in conjunction with *ACM Conference on Computers and Communications*
November 2, 2007 • George Mason University • Fairfax, Virginia, USA



The **Computer Security Architecture Workshop (CSAW)**—pronounced see-saw—solicits papers on security architectures, their interfaces, implementations, and implications.

Architectures, whether system or application, are composed of abstractions (interfaces) and their implementations. **Security Architectures** are architectures which enable implementations that are resilient to an appropriate and broad-based spectrum of threats. An evaluation of a Security Architecture requires understanding these threats; the tradeoffs between different system goals, including between security and non-security goals; the long-term appropriateness of its interfaces; and the implementations it allows. The best interfaces are those that capture the most important issues, enable different implementations, and are flexible enough to adapt (or be adapted) to different threats.

Two well-known issues are particularly important: First, complexity is a source of security holes. Second, security is a matter of the weakest link. Because of the need to balance off complexity versus protections, these tradeoffs are often controversial. Other tradeoffs include performance, usability, and flexibility. This workshop focuses on understanding the new ideas that will compose the next generation of Security Architectures.

The design and evaluation of Security Architectures is of fundamental importance to security. And yet, many of our fundamental architectures were created when security was less appreciated and less well understood. Since it is notoriously difficult to add security after the fact, our systems are far too susceptible to attack. Moreover, architectures, because they are broad based, are difficult to understand and this is a specialized workshop in which Security Architecture experts will gather. As far as we know, this workshop is unique in its focus on Security Architectures.

The workshop topics include, but are not limited to:

Authorization	Specialized applications such as voting systems
Authentication	Hardware/software co-design for security
Network security	Analysis of architectures
Distributed systems	System composability (properties, pitfalls, analysis & reasoning)
Operating systems	Assurance techniques
Privacy	Case studies
Applications and security frameworks	Usability issues

Submission instructions

Submitted papers must not substantially overlap papers that have been published or that are simultaneously submitted to a journal or a conference with proceedings. Submissions should be at most 6 pages in doublecolumn ACM format, excluding the bibliography and well-marked appendices. Please include page numbers on all submissions to make it easier for reviewers to provide helpful comments. Committee members are not required to read appendices, so the paper should be intelligible without them. Final proceedings versions will be 10 pages in double-column ACM format; although authors will have the option of buying a limited number of additional pages. Submissions are not anonymized. For further details see <http://www.rites.uic.edu/csaw>.

Poster/Lightning round

The workshop will have a poster session or a lightning round of works in progress. Details will be available in late summer.

Important dates

Paper submissions due:	17 June 2007
Notification to the authors:	3rd week of July
Camera ready papers due:	22 August 2007
Poster/Lightning submission:	14 September 2007
Workshop date:	2 November 2007

General Chair

Vijay Atluri, Rutgers University

Organizers

Daniel J. Bernstein, Trent Jaeger, Angelos Keromytis,
Ravi Sandhu, and Jon A. Solworth

Program Co-Chairs

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