

15th USENIX Security Symposium

<http://www.usenix.org/sec06>

July 31–August 4, 2006

Vancouver, B.C., Canada

Important Dates

Paper submissions due: *February 1, 2006, 11:59 p.m. PST*
Panel proposals due: *March 29, 2006*
Notification to authors: *April 3, 2006*
Final papers due: *May 11, 2006*
Poster proposals due: *June 15, 2006*
Work-in-Progress reports due: *August 2, 2006, 6:00 p.m. PDT*

Symposium Organizers

Program Chair

Angelos D. Keromytis, *Columbia University*

Program Committee

William Arbaugh, *University of Maryland*
Lee Badger, *DARPA*
Peter Chen, *University of Michigan*
Bill Cheswick, *Lumeta*
Marc Dacier, *Eurecom, France*
Ed Felten, *Princeton University*
Virgil Gligor, *University of Maryland*
John Ioannidis, *Columbia University*
Trent Jaeger, *Pennsylvania State University*
Somesh Jha, *University of Wisconsin*
Louis Kruger, *University of Wisconsin*
Wenke Lee, *Georgia Institute of Technology*
Fabian Monrose, *Johns Hopkins University*
Andrew Myers, *Cornell University*
Vassilis Prevelakis, *Drexel University*
Niels Provos, *Google*
Michael Reiter, *Carnegie Mellon University*
Michael Roe, *Microsoft Research, UK*
R. Sekar, *Stony Brook University*
Anil Somayaji, *Carleton University*
Jessica Staddon, *PARC*
Salvatore Stolfo, *Columbia University*
David Wagner, *University of California, Berkeley*
Brian Weis, *Cisco*
Tara Whalen, *Dalhousie University*

Invited Talks Co-Chairs

Patrick McDaniel, *Pennsylvania State University*
Gary McGraw, *Cigital*

Poster Session Chair

Radu Sion, *Stony Brook University*

Work-in-Progress Session Chair

Doug Szajda, *University of Richmond*

Symposium Overview

The USENIX Security Symposium brings together researchers, practitioners, system administrators, system programmers, and others interested in the latest advances in the security of computer systems and networks. The 15th USENIX Security Symposium will be held July 31–August 4, 2006, in Vancouver, B.C., Canada.

All researchers are encouraged to submit papers covering novel and scientifically significant practical works in security or applied cryptography. Submissions are due on February 1, 2006, 11:59 p.m. PST. The Symposium will span five days: a training program will be followed by a two and one-half day technical program, which will include refereed papers, invited talks, Work-in-Progress reports, panel discussions, and Birds-of-a-Feather sessions.

New in 2006, a workshop, titled Hot Topics in Security (HotSec '06), will be held in conjunction with the main conference. More details will be announced soon on the USENIX Web site, <http://www.usenix.org>.

Symposium Topics

Refereed paper submissions are solicited in all areas relating to systems and network security, including:

- ◆ Adaptive security and system management
- ◆ Analysis of network and security protocols
- ◆ Applications of cryptographic techniques
- ◆ Attacks against networks and machines
- ◆ Authentication and authorization of users, systems, and applications
- ◆ Automated tools for source code analysis
- ◆ Cryptographic implementation analysis and construction
- ◆ Defenses against malicious code (worms, viruses, trojans, spyware, etc.)
- ◆ Denial-of-service attacks and countermeasures
- ◆ File and filesystem security
- ◆ Firewall technologies
- ◆ Forensics and diagnostics for security
- ◆ Intrusion and anomaly detection and prevention
- ◆ Network infrastructure security
- ◆ Operating system security
- ◆ Privacy-preserving (and compromising) systems
- ◆ Public key infrastructure
- ◆ Rights management and copyright protection
- ◆ Security of agents and mobile code
- ◆ Security architectures
- ◆ Security in heterogeneous and large-scale environments
- ◆ Security policy
- ◆ Self-protecting and healing systems
- ◆ Techniques for developing secure systems
- ◆ Voting systems analysis and security
- ◆ Wireless and pervasive/ubiquitous computing security
- ◆ World Wide Web security

Note that the USENIX Security Symposium is primarily a systems security conference. Papers whose contributions are primarily new cryptographic algorithms or protocols, cryptanalysis, electronic commerce primitives, etc., may not be appropriate for this conference.

Refereed Papers & Awards

Papers which have been formally reviewed and accepted will be presented during the Symposium and published in the Symposium

Proceedings. It is expected that one of the paper authors will attend the conference and present the work. It is the responsibility of the authors to find a suitable replacement presenter for their work, if the need arises.

The Proceedings will be distributed to attendees and, following the Symposium, will be available online to USENIX members and for purchase.

One author per paper will receive a registration discount of \$200. USENIX will offer a complimentary registration upon request.

Awards may be given at the conference for the best overall paper and for the best paper for which a student is the lead author. Papers by program committee members are not eligible for these awards.

Training Program, Invited Talks, Panels, Poster Session, WiPs, and BoFs

In addition to the refereed papers and the keynote presentation, the Symposium will include a training program, invited talks, panel discussions, Work-in-Progress reports (WiPs), and Birds-of-a-Feather sessions (BoFs). You are invited to make suggestions regarding topics or speakers in any of these sessions via email to the contacts listed below or to the program chair at sec06chair@usenix.org.

Training Program

Tutorials for both technical staff and managers will provide immediately useful, practical information on topics such as local and network security precautions, what cryptography can and cannot do, security mechanisms and policies, firewalls, and monitoring systems. If you are interested in proposing a tutorial or suggesting a topic, contact the USENIX Training Program Coordinator, Dan Klein, by email to tutorials@usenix.org.

Invited Talks

There will be several outstanding invited talks in parallel with the refereed papers. Please submit topic suggestions and talk proposals via email to sec06it@usenix.org.

Panel Discussions

The technical sessions may include topical panel discussions. Please send topic suggestions and proposals to sec06chair@usenix.org. The deadline for panel proposals is March 29, 2006.

Poster Session

Would you like to share a provocative opinion, interesting preliminary work, or a cool idea that will spark discussion? The poster session is the perfect venue to introduce such new or ongoing work and receive valuable community feedback. We are particularly interested in presentations of student work. To submit a poster, send a one-page proposal, in PDF or PostScript, to sec06posters@usenix.org by June 15, 2006. Make sure to include your name, names of collaborators, affiliations, and the title of the poster.

Work-in-Progress Reports (WiPs)

The last session of the Symposium will consist of Work-in-Progress reports (WiPs). This session offers short presentations about work in progress, new results, or timely topics. Speakers should submit a one- or two-paragraph abstract to sec06wips@usenix.org by 6:00 p.m. PDT on August 2, 2006. Make sure to include your name, your affiliation, and the title of your talk.

Birds-of-a-Feather Sessions (BoFs)

Birds-of-a-Feather sessions (BoFs) are informal gatherings of persons interested in a particular topic. BoFs often feature a presentation or a demonstration followed by discussion, announcements, and the sharing of strategies. BoFs can be scheduled onsite or in advance. To pre-schedule a BoF, send email to bofs@usenix.org.

Paper Submission Instructions

Papers are due by February 1, 2006, 11:59 p.m. PST. All submissions will be made online, and details of the submissions process will be made available on the conference Web site, <http://www.usenix.org/events/sec06/cfp>, well in advance of the deadline. Submissions should be finished, complete papers. Paper submissions should be about 10 to a maximum of 20 typeset pages, formatted in a single column, using 11 point Times Roman type on 12 point leading, in a text block of 6.5" by 9" (default LaTeX 11 point single-column article format is acceptable). Reviewers may not take into consideration any portion of a submission that is over the stated limit. Once accepted, papers must be reformatted to be about 8 to a maximum of 16 typeset pages, formatted in 2 columns, using 10 point Times Roman type on 12 point leading, in a text block of 6.5" by 9".

Paper submissions *must not* be anonymized.

Submissions must be in PDF format. Please make sure your submission can be opened using Adobe Acrobat 4.0. For more details on the submission process, consult the detailed author guidelines.

To insure that we can read your PDF file, authors are urged to follow the NSF "Fastlane" guidelines for document preparation and to pay special attention to unusual fonts. For more details, see:

- ◆ https://www.fastlane.nsf.gov/documents/pdf_create/pdfcreate_01.jsp
- ◆ https://www.fastlane.nsf.gov/documents/tex/tex_01.jsp

All submissions will be judged on originality, relevance, correctness, and clarity. In addition to citing relevant published work, authors should relate their submission to any other relevant submissions of theirs in other venues that are under review at the same time as their submission to the Symposium. Simultaneous submission of the same work to multiple venues, submission of previously published work, and plagiarism constitute dishonesty or fraud. USENIX, like other scientific and technical conferences and journals, prohibits these practices and may, on the recommendation of a program chair, take action against authors who have committed them. In some cases, program committees may share information about submitted papers with other conference chairs and journal editors to ensure the integrity of papers under consideration. If a violation of these principles is found, sanctions may include, but are not limited to, barring the authors from submitting to or participating in USENIX conferences for a set period, contacting the authors' institutions, and publicizing the details of the case.

Authors uncertain whether their submission meets USENIX's guidelines should contact the program chair, sec06chair@usenix.org, or the USENIX office, submissionspolicy@usenix.org.

Papers accompanied by nondisclosure agreement forms will not be considered. All submissions are treated as confidential, both as a matter of policy and in accordance with the U.S. Copyright Act of 1976.

Authors will be notified of acceptance by April 3, 2006. The final paper due date is May 11, 2006. Each accepted submission may be assigned a member of the program committee to act as its shepherd through the preparation of the final paper. The assigned member will act as a conduit for feedback from the committee to the authors.

Specific questions about submissions may be sent via email to the program chair at sec06chair@usenix.org.

Program and Registration Information

Complete program and registration information will be available in May 2006 on the Symposium Web site, both as HTML and as a printable PDF file. If you would like to receive the latest USENIX conference information, please join our mailing list at <http://www.usenix.org/about/ mailing.html>.