

17th USENIX Security Symposium (USENIX Security '08)

<http://www.usenix.org/sec08>

July 28–August 1, 2008

San Jose, California

Important Dates

Paper submissions due: *Wednesday, January 30, 2008, 11:59 p.m. PST (firm deadline)*
Invited talk proposals due: *Friday, February 1, 2008*
Panel proposals due: *Tuesday, April 1, 2008*
Notification to authors: *Monday, April 7, 2008*
Final papers due: *Tuesday, May 13, 2008 (firm deadline)*
Poster proposals due: *Friday, June 13, 2008*
Notification to poster presenters: *Monday, June 23, 2008*
Work-in-Progress reports due: *Wednesday, July 30, 2008 6:00 p.m. PDT*

Symposium Organizers

Program Chair

Paul Van Oorschot, *Carleton University*

Program Committee

Paul Barford, *University of Wisconsin*
Dan Boneh, *Stanford University*
Bill Cheswick, *AT&T Labs—Research*
David Dagon, *Georgia Institute of Technology*
George Danezis, *Microsoft Research*
Rachna Dhamija, *Harvard University*
Virgil Gligor, *Carnegie Mellon University*
Ian Goldberg, *University of Waterloo*
Trent Jaeger, *Pennsylvania State University*
Somesh Jha, *University of Wisconsin*
Angelos Keromytis, *Columbia University*
Tadayoshi Kohno, *University of Washington*
Wenke Lee, *Georgia Institute of Technology*
David Lie, *University of Toronto*
Z. Morley Mao, *University of Michigan*
Fabian Monrose, *Johns Hopkins University*
Michael Reiter, *University of North Carolina*
R. Sekar, *Stony Brook University*
Micah Sherr, *University of Pennsylvania*
Anil Somayaji, *Carleton University*
Angelos Stavrou, *George Mason University*
Patrick Traynor, *Pennsylvania State University*
Leendert van Doorn, *AMD*
Wietse Venema, *IBM Research*
Xiaolan (Catherine) Zhang, *IBM Research*

Invited Talks Committee

Bill Aiello, *University of British Columbia*
Angelos Keromytis, *Columbia University*
Avi Rubin, *Johns Hopkins University*

Poster Session Chair

Carrie Gates, *CA Labs*

Work-in-Progress Reports (WiPs) Session Chair

Hao Chen, *University of California, Davis*

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 17th USENIX Security Symposium will be held July 28–August 1, 2008, in San Jose, California.

All researchers are encouraged to submit papers covering novel and scientifically significant practical works in security or applied cryptography. Submissions are due on January 30, 2008, 11:59 p.m. PST. The Symposium will span five days: a two-day training program will be followed by a two and one-half day technical program, which will include refereed papers, invited talks, posters, Work-in-Progress reports, panel discussions, and Birds-of-a-Feather sessions.

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
- Botnets
- Cryptographic implementation analysis and construction
- Denial-of-service attacks and countermeasures
- File and filesystem security
- Firewall technologies
- Forensics and diagnostics for security
- Intrusion and anomaly detection and prevention
- Malicious code analysis, anti-virus, anti-spyware
- Network infrastructure security
- Operating system security
- Privacy-preserving (and -compromising) systems
- Public key infrastructure
- Rights management and copyright protection
- Security architectures

- Security in heterogeneous and large-scale environments
- Security policy
- Self-protecting and healing systems
- Techniques for developing secure systems
- Technologies for trustworthy computing
- Usability and security
- Voting systems analysis and security
- Wireless and pervasive/ubiquitous computing security
- 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.

Program committee members are limited to being authors or co-authors of at most two paper submissions. The program chair is not permitted to be author or co-author of any paper submissions.

Refereed Papers & Awards

Papers that 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.

One author per paper may take a registration discount of \$200. If the registration fee poses a hardship to the presenter, USENIX can offer complimentary registration.

Symposium Proceedings

The Proceedings will be distributed to attendees and, following the Symposium, will be available online to USENIX members and for purchase. The online Proceedings will be made available for free to everyone one year after the conference.

Best Paper Awards

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 the best overall paper award.

Training Program, Invited Talks, Panels, Posters, WiPs, and BoFs

In addition to the refereed papers and the keynote presentation, the technical program will include a training program, invited talks, panel discussions, a poster session, a Work-in-Progress session (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 sec08chair@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 Education Director, 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 sec08it@usenix.org by Friday, February 1, 2008.

Panel Discussions

The technical sessions may include topical panel discussions. Please send topic suggestions and proposals to sec08chair@usenix.org. The deadline for panel proposals is Tuesday, April 1, 2008.

Poster Session

Would you like to share a provocative opinion, interesting preliminary work, or a cool idea that will spark discussion at this year's USENIX Security Symposium? The poster session is the perfect venue to introduce such new or ongoing work. Poster presenters will have the entirety of the evening reception to discuss their work, get exposure, and receive feedback from attendees.

To submit a poster, please send a 1–5 page proposal, in PDF or PostScript, to sec08posters@usenix.org by Friday, June 13, 2008. Decisions will be made by Monday, June 23, 2008.

Work-in-Progress Reports (WiPs)

One session of the Symposium will consist of Work-in-Progress reports (WiPs). This session offers short presentations about research in progress, new results, or timely topics. This is not the place to re-announce work already published, or re-advertise work already accepted at another venue. Speakers should submit a one- or two-paragraph abstract to sec08wips@usenix.org by 6:00 p.m. PDT on Wednesday, July 30, 2008. Make sure to include your name and affiliation and the title of your talk. The schedule of presentations and accepted abstracts will be posted on the Symposium Web site. The time available will be distributed among the presenters, with each speaker allocated between 5 and 10 minutes. The time limit will be strictly enforced.

Birds-of-a-Feather Sessions (BoFs)

Birds-of-a-Feather sessions (BoFs) will be held Tuesday, Wednesday, and Thursday evenings. Birds-of-a-Feather sessions 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 on-site or in advance. To preschedule a BoF, please send email to the USENIX Conference Department at bofs@usenix.org with the title and a brief description of the BoF; the name, title, affiliation, and email address of the facilitator; and your preference of date and time.

How and Where to Submit Refereed Papers

Paper submissions are due by Wednesday, January 30, 2008, 11:59 p.m. PST (firm deadline). All submissions will be made online via a Web form, which will be available soon on the Call for Papers Web site, <http://www.usenix.org/events/sec08/cfp>. Submissions should be finished, complete papers.

Paper submissions should be about 10 to a maximum of 20 typeset pages, formatted in 1 column, using 11 point Times Roman type on 12 point leading, in a text block of 6.5" by 9". Once accepted, papers must be reformatted to fit in 8 to 16 pages in a 2-column format, using 10 point Times Roman type on 12 point leading, in a text block of 6.5" by 9". If you wish, please make use of the LaTeX style file and sample TeX file available on the Call for Papers Web site when preparing your paper for submission. The page limits include the bibliography and any appendices. Papers that exceed the page limit run the risk of being summarily rejected.

Paper submissions must not be anonymized.

Submissions must be in PDF format (i.e., processed by Adobe's Acrobat Distiller or equivalent). Note that LaTeX users can use the "dvipdf" command to convert a DVI file into PDF format. Please make sure your submission can be opened using Adobe Acrobat 5.0.

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 research to mul-

iple venues (including journals), 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, sec08chair@usenix.org, or the USENIX office, submission-policy@usenix.org.

Papers accompanied by nondisclosure agreement forms will not be considered. All submissions will be treated as confidential prior to publication in the Proceedings.

Authors will be notified of acceptance by Monday, April 7, 2008. The final paper due date is Tuesday, May 13, 2008 (firm deadline). 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 sec08chair@usenix.org.

Program and Registration Information

Complete program and registration information will be available in April 2008 on the Symposium Web site. If you would like to receive the latest USENIX conference information, please join our mailing list at <http://www.usenix.org/about/ mailing.html>.