# 18th USENIX Security Symposium

*http://www.usenix.org/sec09*

**August 10–14, 2009**                                              **Montreal, Canada**

## Important Dates

Paper submissions due: *Wednesday, February 4, 2009, 11:59 p.m. PST (firm deadline)*
Invited talk proposals due: *Monday, February 9, 2009*
Panel proposals due: *Friday, April 10, 2009*
Notification to authors: *Monday, April 13, 2009*
Final papers due: *Tuesday, June 2, 2009 (firm deadline)*
Poster proposals due: *Friday, June 12, 2009*
Notification to poster presenters: *Friday, Monday, July 6, 2009*
Work-in-Progress reports due: *Tuesday, August 11, 2009, 6:00 p.m. EDT*

## Symposium Organizers

**Program Chair**
Fabian Monrose, *University of North Carolina, Chapel Hill*

**Program Committee**
Lucas Ballard, *Google Inc.*
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Wietse Venema, *IBM Research*
David Wagner, *University of California, Berkeley*
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**Invited Talks Committee**
Dan Boneh, *Stanford University*
Patrick McDaniel, *Pennsylvania State University*
Hugh Thompson, *People Security*

**Poster Session Chair**
Carrie Gates, *CA Labs*

**Work-in-Progress Reports (WiPs) Session Chair**
Sven Dietrich, *Stevens Institute of Technology*

## 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 18th USENIX Security Symposium will be held August 12–14, 2009, in Montreal, Canada.

All researchers are encouraged to submit papers covering novel and scientifically significant practical works in security or applied cryptography. Submissions are due on Wednesday, February 4, 2009, 11:59 p.m. PST. The Symposium will span two and one-half days and will feature 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
- Hardware 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
- Virtualization security
- Voting systems analysis and security
- Web security
- Wireless and pervasive/ubiquitous computing 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 (2) paper submissions. The program chair is not permitted to be author or co-author of any paper submissions.

## Refereed Papers and 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 available online to registered attendees prior to the symposium and will be available online to everyone starting on August 12, 2009. Attendees will also receive a complimentary copy of the Proceedings, either on CD-ROM or in print. Additional copies of the Proceedings will be available for purchase during and after the symposium.

### 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.

## Invited Talks, Panels, Posters, WiPs, and BoFs

In addition to the refereed papers and the keynote presentation, the technical program will include invited talks, panel discussions, a poster session, Work-in-Progress reports (WiPs), and Birds-of-a-Feather sessions (BoFs). You are invited to make suggestions regarding topics or speakers for any of these sessions via email to the contacts listed below or to the program chair at sec09chair@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 sec09it@usenix.org by Monday, February 9, 2009.

### Panel Discussions

The technical sessions may include topical panel discussions. Please send topic suggestions and proposals to sec09chair@usenix.org. The deadline for panel proposals is Friday, April 10, 2009.

### 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 an evening reception to discuss their work, get exposure, and receive feedback from attendees.

To submit a poster, please send a 1–5 page(s) proposal, in PDF or PostScript, to sec09posters@usenix.org by Friday, June 12, 2009. Decisions will be made by Monday, July 6, 2009.

### Work-in-Progress Reports (WiPs)

One 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 sec09wips@usenix.org by 6:00 p.m. EDT on Tuesday, August 11, 2009. Make sure to include your name, your 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 for date and time.

## How and Where to Submit Refereed Papers

Papers are due by Wednesday, February 4, 2009, 11:59 p.m. PST (firm deadline). All submissions will be made online via a Web form on the Call for Papers Web site, http://www.usenix.org/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". Papers that do not abide to the page limit risk rejection without review. 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 this LaTex style file and sample tex file (see the corresponding PDF here) when preparing your paper for submission. The page limits are intended to include the bibliography and any appendices. Reviewers may not take into consideration any portion of a submission that is over the stated limit.

*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 4.0.

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 the same work to multiple venues, submission of previously published work, or plagiarism constitutes 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, sec09chair@usenix.org, or the USENIX office, submissionspolicy@usenix.org.

Papers accompanied by nondisclosure agreement forms will not be considered. Accepted submissions will be treated as confidential prior to publication on the USENIX Security '09 Web site; rejected submissions will be permanently treated as confidential.

Authors will be notified of acceptance by Monday, April 13, 2009. The final paper due date is Tuesday, June 2, 2009 (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.

All papers will be available online to registered attendees prior to the conference and will be available online to everyone starting on August 12, 2009. If your accepted paper should not be published prior to the event, please notify production@usenix.org.

Specific questions about submissions may be sent via email to the program chair at sec09chair@usenix.org.

## Sponsorship Opportunities

Interested in sponsoring USENIX Security '09? Contact sponsorship@usenix.org.

## Program and Registration Information

Complete program and registration information will be available in May 2009 on the conference 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.