

2009 USENIX Annual Technical Conference

<http://www.usenix.org/usenix09>

June 14–19, 2009

San Diego, CA, USA

Important Dates

Paper submissions due: *Friday, January 9, 2009, 11:59 p.m. PST*

Invited talk and workshop proposals due: *Monday, February 2, 2009*

Notification to authors: *Friday, March 13, 2009*

Final papers due: *Tuesday, April 21, 2009*

Poster submissions due: *Tuesday, May 5, 2009*

Conference Organizers

Program Co-Chairs

Geoffrey M. Voelker, *University of California, San Diego*

Alec Wolman, *Microsoft Research*

Program Committee

Remzi Arpaci-Dusseau, *University of Wisconsin, Madison*

Ranjita Bhagwan, *Microsoft Research India*

George Candea, *EPFL*

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Geoff Kuenning, *Harvey Mudd College*

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Erich Nahum, *IBM T.J. Watson Research Center*

Niels Provos, *Google, Inc.*

Sean Rhea, *Meraki, Inc.*

Mahadev Satyanarayanan, *Carnegie Mellon University*

Prashant Shenoy, *University of Massachusetts*

Marvin Theimer, *Amazon.com*

Andrew Warfield, *University of British Columbia and Citrix Systems*

Yinglian Xie, *Microsoft Research Silicon Valley*

Ken Yocum, *University of California, San Diego*

Poster Session Co-Chairs

George Candea, *EPFL*

Andrew Warfield, *University of British Columbia and Citrix Systems*

Overview

Authors are invited to submit original and innovative papers to the Refereed Papers Track of the 2009 USENIX Annual Technical Conference. We seek high-quality submissions that further the knowledge and understanding of modern computing systems, with an emphasis on implementations and experimental results. We encourage papers that break new ground or present insightful results based on practical experience with computer systems. The USENIX conference has a broad scope, and specific topics of interest include but are not limited to:

- Architectural interaction
- Cloud computing

- Deployment experience
- Distributed and parallel systems
- Embedded systems
- Energy/power management
- File and storage systems
- Mobile, wireless, and sensor systems
- Networking and network services
- Operating systems
- Reliability, availability, and scalability
- Security, privacy, and trust
- System and network management and troubleshooting
- Usage studies and workload characterization
- Virtualization
- Web technology

Best Paper Awards

Cash prizes will be awarded to the best papers at the conference. Please see the USENIX Compendium of Best Papers for examples of the best papers from previous years: http://www.usenix.org/publications/library/proceedings/best_papers.html.

How to Submit

Authors are required to submit full papers by 11:59 p.m. PST, Friday, January 9, 2009. *This is a hard deadline; no extensions will be given.* **Note:** The EuroSys 2009 organizers have agreed to send out notifications before January 9 to allow EuroSys submissions that were not accepted to be submitted to this conference.

All submissions for USENIX '09 will be electronic, in PDF format, through the Web submission form on the USENIX '09 Call for Papers Web site, <http://www.usenix.org/usenix09/cfp>. USENIX '09 will accept two types of papers:

- **Regular Full Papers:** Submitted papers must be no longer than 14 single-spaced pages, including figures, tables, and references. Papers should be formatted in 2 columns, using 10 point type on 12 point leading, in a text block of 6.5" by 9". The first page of the paper should include the paper title and author name(s); reviewing is single-blind. Papers longer than 14 pages will not be reviewed. In a good paper, the authors will have:
 - Addressed a significant problem
 - Devised an interesting and practical solution
 - Clearly described what they have and have not implemented
 - Demonstrated the benefits of their solution
 - Articulated the advances beyond previous work
 - Drawn appropriate conclusions
- **Short Papers:** Authors with a contribution for which a full paper is not appropriate may submit short papers of at most 6 pages, applying the same formatting guidelines. Examples of short paper contributions include:
 - Original or unconventional ideas at a preliminary stage of development
 - The presentation of interesting results that do not

require a full-length paper, such as negative results or experimental validation

- Advocacy of a controversial position or fresh approach

Accepted short papers will be published in the Proceedings and time will be provided for brief presentations of these papers. Authors of short papers will also have the opportunity to present posters in the Poster Session.

For more details on the submission process, and for templates to use with LaTeX, Word, etc., authors should consult the detailed submission requirements at <http://www.usenix.org/events/usenix09/cfp/requirements.html>. Specific questions about submissions may be sent to usenix09chairs@usenix.org.

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.

Note that the above does not preclude the submission of a regular full paper that overlaps with a previous short paper or workshop paper. However, any submission that derives from an earlier workshop paper must provide a significant new contribution, for example, by providing a more complete evaluation.

Authors uncertain whether their submission meets USENIX's guidelines should contact the program co-chairs, usenix09chairs@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 '09 Web site; rejected submissions will be permanently treated as confidential.

Authors will be notified of paper acceptance or rejection by Friday, March 13, 2009. Accepted papers may be shepherded by a program committee member. Final papers must be no longer than 14 pages, formatted in 2 columns, using 10 point Times Roman type on 12 point leading, in a text block of 6.5" by 9".

All papers will be available online to registered attendees prior to the conference and will be available online to everyone starting on June 17, 2009. If your accepted paper should not be published prior to the event, please notify production@usenix.org.

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

Poster Session

The poster session, held in conjunction with a reception, will allow researchers to present recent and ongoing projects. The poster session is an excellent forum to discuss new ideas and get useful feedback from the community. The poster submissions should include a brief description of the research idea(s); the submission must not exceed 2 pages. Accepted posters will be put on the conference Web site; however, they will not be printed in the conference Proceedings. Send poster submissions to usenix09posters@usenix.org by Tuesday, May 5, 2009.

Birds-of-a-Feather Sessions (BoFs)

Birds-of-a-Feather sessions (BoFs) are informal gatherings organized by attendees interested in a particular topic. BoFs will

be held in the evening. BoFs may be scheduled in advance by emailing bofs@usenix.org. BoFs may also be scheduled at the conference.

Invited Talks

Survey-style talks will be given by experts on many interesting and timely topics. The Invited Talks track also may include panel presentations and selections from the best presentations at recent USENIX conferences.

The Invited Talks Committee welcomes suggestions for topics and requests proposals for particular talks. In your proposal, state the main focus, including a brief outline, and be sure to emphasize why your topic is of general interest to our community. Please submit proposals via email to usenix09it@usenix.org by Monday, February 2, 2009.

Workshops

We welcome proposals for workshops to be co-located with the 2009 USENIX Annual Technical Conference. Proposal submissions due: February 2, 2009.

USENIX workshops foster discussion and presentation of new work and developments in any area of interest to the community of engineers, system administrators, scientists, and technicians working on the cutting edge of the computing world.

Workshop attendance may be:

- Open to all registrants
- Contingent on acceptance of a paper or a position statement
- By invitation only

Your workshop proposal should include the following information:

- Workshop topic and goals
- Workshop format: Formal presentations? Panels? Informal discussions? Invited talks?
- Workshop organizers and at least tentative program committee
- Expected number of submissions and participants
- Suggested submissions and notifications deadlines, if any, and program due date (USENIX may propose changes to your suggested dates)
- Proceedings requirements, if any
- Proposed workshop length: Half-day? Full day? Full day plus evening? 1.5 days?
- Probable supporters, if any

Please send your proposal to workshopproposals@usenix.org.

Training Program

USENIX's highly respected training program offers intensive, immediately applicable tutorials on topics essential to the use, development, and administration of advanced computing systems. Skilled instructors, hands-on experts in their topic areas, present both introductory and advanced tutorials.

To provide the best possible tutorial slate, USENIX continually solicits proposals for new tutorials. If you are interested in presenting a tutorial, contact Dan Klein, USENIX Education Director, tutorials@usenix.org.

Program and Registration Information

Complete program and registration information will be available in March 2009 on the conference Web site. If you would like to receive the latest USENIX conference information, please join our mailing list: <http://www.usenix.org/about/mailling.html>.