2006 USENIX Annual Technical Conference: Systems Practice & Experience Track

Formerly the General Session Refereed Papers Track

http://www.usenix.org/usenix06

Training Program: Tuesday–Saturday, May 30–June 3, 2006
Technical Sessions: Thursday–Saturday, June 1–3, 2006

Boston, Massachusetts, USA

Important Dates

Paper submissions due: *Tuesday, January 17, 2006 (hard deadline)*
Notification to authors: *Monday, February 27, 2006*
Final papers due: *Monday, April 17, 2006*
Poster submissions due: *Monday, April 24, 2006*

Conference Organizers

Program Co-Chairs
Atul Adya, *Microsoft*
Erich Nahum, *IBM T.J. Watson Research Center*

Program Committee
Steven Bellovin, *Columbia University*
Ranjita Bhagwan, *IBM T.J. Watson Research Center*
Jeff Chase, *Duke University*
Mike Chen, *Intel Research, Seattle*
Jason Flinn, *University of Michigan*
Steven Hand, *University of Cambridge*
Gernot Heiser, *University of New South Wales and National ICT Australia*
Kim Keeton, *Hewlett-Packard*
Dejan Kostic, *EPFL*
Jay Lepreau, *University of Utah*
Barbara Liskov, *Massachusetts Institute of Technology*
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Dave Presotto, *Google*
John Reumann, *Google*
Mendel Rosenblum, *Stanford University*
Stefan Saroiu, *University of Toronto*
Geoff Voelker, *University of California, San Diego*
Alec Wolman, *Microsoft Research*
Yuanyuan Zhou, *University of Illinois at Urbana-Champaign*

Invited Talks Committee
Matt Blaze, *University of Pennsylvania*
Christopher Small, *BBN Technologies*
Stephen Walli, *Optaros, Inc.*

Poster Session Chair
Stefan Saroiu, *University of Toronto*

Overview

Authors are invited to submit original and innovative papers to the Systems Practice & Experience Track (formerly the General Session Refereed Papers Track) of the 2006 USENIX Annual Technical Conference. We seek high-quality submissions that further the knowledge and understanding of modern computing systems, with an emphasis on practical implementations and experimental results. We encourage papers that break new ground or present insightful results based on experience with computer systems. The USENIX conference has a broad scope, and we encourage papers in a wide range of topics in systems

Topics

Specific topics of interest include but are not limited to:
- Architectural interaction
- Benchmarking
- Deployment experience
- Distributed and parallel systems
- Embedded systems
- Energy/power management
- File and storage systems
- Networking and network services
- Operating systems
- Reliability, availability, and scalability
- Security, privacy, and trust
- Self-managing systems
- Usage studies and workload characterization
- Virtualization
- Web technology
- Wireless and mobile systems

Best Paper Awards

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

How to Submit

Authors are required to submit full papers by 11:59 p.m. PST, Tuesday, January 17, 2006. *This is a hard deadline; absolutely no extensions will be given.*

All submissions for USENIX '06 will be electronic, in PDF format, via a Web form on the conference Web site.

Authors will be notified of receipt of submission via email. USENIX '06 will accept two types of papers:

- ◆ **Regular Papers:** Submitted papers must be no longer than 14 single-spaced pages, including figures, tables, and references, using 10 point font or larger. The first page of the paper should include the paper title and author name(s); reviewing is not blind. Papers longer than 14 pages will not be reviewed.
- ◆ **Short Papers:** Authors may submit short papers, at most 6 pages long. These will be reviewed, accepted submissions will be included in the Proceedings, and time will be provided in the Short Papers Sessions for brief presentations of these papers. We expect that this format will appeal to authors who wish to publicize early ideas, convey results that do not require a full-length paper, or advocate new positions.

In addition, the program committee may accept some standard submissions as 6-page short papers if they feel the submission is interesting but does not meet the criteria of a full-length paper. Please indicate explicitly if you do not wish your full-length paper to be considered for the Short Papers Sessions. Papers accepted for the Short Papers Sessions will automatically be included in the Poster Session.

Specific questions about submissions may be sent to usenix06chairs@usenix.org.

In a good paper, the authors will have:
- ◆ attacked 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

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 chairs, usenix06chairs@usenix.org, or the USENIX office, submissionspolicy@usenix.org.

Papers accompanied by nondisclosure agreements cannot be accepted. All submissions are held in the highest confidentiality prior to publication in the Proceedings, both as a matter of policy and in accord with the U.S. Copyright Act of 1976.

Authors will be notified of paper acceptance or rejection by Monday, February 27, 2006. Accepted papers will 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".

Note regarding registration: One author per 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 on June 1, 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 session chair Stefan Saroiu at usenix06posters@usenix.org by Monday, April 24, 2006.

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

These survey-style talks given by experts range over 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 request 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 usenix06it@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, Training Program Coordinator, tutorials@usenix.org.

Program and Registration Information

Complete program and registration information will be available in March 2006 on the USENIX '06 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.