

2004 USENIX Annual Technical Conference: General Session Refereed Papers Track

Sponsored by USENIX, The Advanced Computing Systems Association

<http://www.usenix.org/usenix04>

June 27–July 2, 2004

Boston, Massachusetts, USA

Important Dates

Submissions due: *December 16, 2003, 11:59 p.m. EST (firm, no extensions)*

Notification to authors: *February 4, 2004*

Camera-ready final papers due: *May 4, 2004*

Program Committee

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Overview

Please join us at the 2004 USENIX Annual Technical Conference in Boston. USENIX has always been the place to present groundbreaking research and cutting-edge practices in a wide variety of technologies and environments.

Join the community of programmers, developers, and systems professionals in sharing solutions and fresh ideas. Earn the respect of your peers: participate by submitting a paper.

USENIX Annual Tech in 2004 will feature:

- ◆ 2.5 days of General Sessions—original and innovative papers about modern computing systems
- ◆ 2.5 days of FREENIX—a showcase for the latest developments in and interesting applications of free and open source software.
- ◆ 5 days of content from Special Interest Groups, including UseLinux, Security, and many more
- ◆ 6 days of training with up to 30 tutorial offerings

- ◆ Famous-name Plenary Sessions every day
- ◆ Special social events every evening
- ◆ Plus BoFs and Guru Is In sessions

Topics

The 2004 USENIX Annual Technical Conference General Session seeks original and innovative papers about modern computing systems, emphasizing implementations with measured results. Specific topics of interest include, but are not limited to:

- ◆ Administration-free systems
- ◆ Benchmarking
- ◆ Deployment experience
- ◆ Distributed and parallel systems
- ◆ Embedded systems
- ◆ Energy/power management
- ◆ File and storage systems
- ◆ Mobile systems
- ◆ Networking and network services
- ◆ Operating systems
- ◆ Reliability and availability
- ◆ Security, privacy, and trust
- ◆ Usage studies and workload characterization
- ◆ Virtual machines
- ◆ Web technology

Paper Submissions

Authors are required to submit full papers by Tuesday, December 16, 2003, 11:59 p.m. EST. This is a hard deadline; absolutely no extensions will be given.

All submissions for USENIX '04 will be electronic, in PostScript or PDF format, via a Web form located on the conference Web site. Authors will be notified of receipt of submission via email. If notification has not been received by Saturday, December 20, 2003, please contact usenix04chairs@usenix.org.

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. Papers so short as to be considered extended abstracts will not receive full consideration. Specific questions about submissions may be sent to usenix04chairs@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

The USENIX Annual Technical Conference, like most conferences and journals, requires that papers not be submitted simultaneously to more than one conference or publication, that submitted papers not be previously published elsewhere, and that accepted papers not be subsequently published elsewhere for a year from the date of acceptance by USENIX.

Papers submitted to this conference that are under review elsewhere will not be considered. Papers accompanied by non-disclosure-agreement forms 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 February 4, 2004. 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".

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.

Training Track

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 covering topics such as (this list is not comprehensive—feel free to propose topics not listed):

- ◆ System administration, maintenance, monitoring, and security:
 - ❖ Systems application configuration and maintenance
 - ❖ High availability and quality of service
 - ❖ Monitoring: SNMP, log analysis, etc.
 - ❖ Distributed data: LDAP, Web, etc.
 - ❖ Techniques: time management, failover management, etc.
- ◆ Operating systems (Linux, *BSD, Mac, Solaris, NT, etc.):
 - ❖ File systems and storage systems
 - ❖ Interoperability of heterogeneous systems
 - ❖ Embedded systems
- ◆ Systems and network security:
 - ❖ Intrusion detection and prevention
 - ❖ Hacking and countermeasures
 - ❖ General security topics: Internet, wireless, data, etc.

- ◆ Applications and algorithms:
 - ❖ Security and privacy, cryptography
 - ❖ Web-based technologies
 - ❖ Mobile code and mobile computing
 - ❖ New algorithms and applications
 - ❖ Application development (threads, Perl, scripting, etc.)
- ◆ Technologies:
 - ❖ Wireless and mobile computing
 - ❖ Personal digital assistants
 - ❖ Distributed, replicated, and Web-based systems
- ◆ Emerging technologies:
 - ❖ New applications
 - ❖ New technologies
- ◆ Topics not listed above!

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, dvk@usenix.org.

Work-in-Progress Reports

Would you like to share a provocative opinion, interesting preliminary work, or a cool idea that will provoke discussion? The USENIX technical sessions will include a slot for Work-in-Progress reports (WiPs). We are particularly interested in presentations of student work. To submit, please send a proposal (one page or less) to usenix04wips@usenix.org.

Birds-of-a-Feather Sessions

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.

Registration Materials

One author per paper may take a registration discount of \$200. If the registration fee poses a hardship to the presenter, USENIX will offer a complimentary registration. Complete program and registration information will be available in March 2004 on the conference Web site. The information will be in both HTML and a printable PDF file.