Announcement and Call for Papers **USENIX**

2nd Symposium on Networked Systems Design and Implementation (NSDI '05)

Sponsored by USENIX, in cooperation with ACM SIGCOMM and ACM SIGOPS

http://www.usenix.org/nsdi05

May 2–4, 2005   **Boston, Massachusetts, USA**

Important Dates

Paper titles and abstracts due: *October 8, 2004, 9:00 p.m. PDT*

Final paper submissions due: *October 15, 2004, 9:00 p.m. PDT*

Notification of acceptance: *January 15, 2005*

Papers due for shepherding: *March 11, 2005*

Final papers due: *March 29, 2005*

Poster proposals due: *March 29, 2005*

Poster notification: *April 15, 2005*

Conference Organizers

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Overview

The NSDI conference focuses on the design principles of large-scale networks and distributed systems. Systems as diverse as Internet routing, peer-to-peer file sharing, sensor nets, scalable Web, and distributed network measurement share a set of challenges. Progress in any of these areas requires an understanding of how researchers are addressing the challenges of large-scale systems in other contexts. Our goal is to bring together researchers from across the networking and systems community—including computer networking, distributed systems, and operating systems—to foster cross-disciplinary approaches and to address shared research challenges.

Topics

NSDI will provide a high-quality, single-track forum for presenting new results and discussing ideas that affect these disciplines. We seek a broad variety of work that furthers the knowledge and understanding of the networking and systems community as a whole, continues a significant research dialogue, or pushes the architectural boundaries of large-scale network services. We solicit papers describing original, previously unpublished research. Specific topics of interest include but are not limited to:

- Routing, transport, and signaling protocols and services
- Scalable techniques for high availability and reliability
- Design and implementation of high-speed packet classification and transformation algorithms
- Security and robustness of networked systems
- Novel architectural approaches, e.g., for specific application domains

- Network measurements, workload and topology characterization
- Autonomous and self-configuring network, system, and overlay management
- Network virtualization and resource management
- Distributed storage, caching, and query optimization
- Algorithms for distributed systems
- Operating system support for scalable network services
- Application experiences, e.g., in sensor networks, peer-to-peer systems, overlay networks, pervasive computing, and content distribution

Paper Submissions

Submissions will be judged on originality, significance, interest, clarity, relevance, and correctness. Submissions should be full papers, 12–14 single-spaced US 8.5" x 11" pages, including figures, tables, and references, two-column format, using 10-point type on 12-point (single-spaced) leading within a 6.5" x 9" text block. Please number the pages on your submission, and avoid using color in figures or text. **Submissions must be "blind," meaning authors must not be identified in the submissions, either explicitly or by implication (e.g., through references, affiliations, or acknowledgments).** We strongly recommend that you do not omit references to provide anonymity, as this leaves the reviewer unable to grasp the context. Instead, a good solution is to reference your past work in the third person, just as you would any other piece of related work.

Authors must submit their paper's title and abstract by October 8, 2004, and the corresponding full paper is due by October 15, 2004. Accepted papers may be shepherded through an editorial review process by a member of the program committee. Based on initial feedback from the program committee, authors of shepherded papers will submit an editorial revision of their paper to their program committee shepherd by March 11, 2005. The shepherd will review the paper and give the author additional comments. All authors (shepherded or not) will produce a final paper by March 29, 2005, to be included in the conference Proceedings.

One author per paper will receive a registration discount of $200. USENIX will offer a complimentary registration upon request.

The NSDI conference, like most conferences and journals, does not allow submissions that are substantially similar to works that are previously published or are under review for publication elsewhere. Accepted material may not be subsequently published in other conferences or journals for one year from the date of acceptance by USENIX. Papers accompanied by nondisclosure agreement forms will not be read or reviewed. All submissions will be held in confidence prior to publication of the technical program, both as a matter of policy and in accordance with the U.S. Copyright Act of 1976.

How to Submit

Authors are required to submit at least an abstract by 9:00 p.m. PDT, October 8, 2004, with the full papers due by 9:00 p.m. PDT, October 15, 2004. This is a hard deadline—no extensions will be given. All submissions to NSDI 2005 must be electronic, in PDF or PostScript, via the Web submission form at http://www.usenix.org/events/nsdi05/cfp/.

Authors will be notified of acceptance decisions via email by January 15, 2005. If you do not receive notification by that date, contact the Program Chairs at nsdi05chairs@usenix.org.

Best Paper Awards

Awards will be given at the conference for the best paper and best student paper

Poster Session

Do you have interesting work in progress you would like to share? Poster sessions are for you! Poster sessions introduce new or ongoing work. The NSDI audience provides valuable discussion and feedback. We are particularly interested in presentations of student work. To submit a poster, please send a proposal, one page or less, by March 29, 2005, to the poster session coordinator at nsdi05posters@usenix.org. We will send back decisions by April 15, 2005.

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 the USENIX Conference Department at bofs@usenix.org. BoFs may also be scheduled at the conference.

Registration Materials

Complete program and registration information will be available in February 2005 on the conference Web site. The information will be in both HTML and a printable PDF file. If you would like to receive the latest USENIX conference information, please join our mailing list by visiting http://www.usenix.org/cgi-bin/mailing/list.cgi.