

USENIX/ACM Symposium on Networked Systems Design and Implementation (NSDI '04)

Co-sponsored by USENIX, ACM SIGCOMM, and ACM SIGOPS

<http://www.usenix.org/events/nsdi04>

March 29 - 31, 2004

San Francisco, California, USA

Important Dates

Paper titles and abstracts due: *September 15, 2003*

Final paper submissions due: *September 22, 2003*

Notification of acceptance: *December 11, 2003*

Papers due for shepherding: *January 26, 2004*

Camera-ready final papers due: *February 9, 2004*

Conference Organizers

Program Chairs

Robert Morris, *MIT*

Stefan Savage, *UC San Diego*

Program Committee

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Mike Jones, *Microsoft Research*

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Overview

NSDI 2004 is a new conference focused on the design principles of large scale distributed and networked systems. We believe systems as diverse as scalable web services, peer-to-peer file sharing, sensor nets, and distributed network measurement share a set of common challenges. Progress in any of these areas requires a deep 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 systems community — including operating systems, distributed systems, and computer networking — to foster a cross-disciplinary approach to addressing our common research challenges.

Topics

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 We solicit papers describing original and previously unpublished research.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

- ◆ Scalable techniques for providing high availability and reliability
- ◆ Security and robustness of highly complex 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
- ◆ Network protocols and algorithms for complex distributed systems
- ◆ Operating system support for scalable network services
- ◆ Application experiences, for example in sensor networks, peer-to-peer systems, overlay networks, pervasive computing, and content distribution networks.

Paper Submissions

Submissions should be full papers, 12-14 single-spaced 8.5" x 11" pages, including figures, tables, and references, two-column format, using 10-point type on 12-point (single-spaced) leading, with the text block being no more than 6.5" wide by 9" deep. **Submissions must be "blind", meaning authors must not be identified in the submissions, either explicitly or by implication (e.g., through the references or acknowledgments).** Submissions will be judged on originality, significance, interest, clarity, relevance, and correctness.

Authors must submit their paper's title and abstract by September 15th, 2003, and the corresponding full paper is due by September 22, 2003. 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 January 26, 2004. The shepherd will review the paper and give the author additional comments. All authors (shepherded or not) will produce a final camera-ready paper by February 9, 2004, for the conference Proceedings.

One author per accepted paper will receive a registration discount, or, in cases of hardship, a complimentary registration, to present their paper at the conference.

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 non-

disclosure 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 September 15, 2003, with the full papers due on September 22, 2003. All submissions to NSDI '04 must be electronic, in PDF or PostScript. Please use the Web submission form at <http://www.pdos.lcs.mit.edu/nsdi04/All/login.php>.

Authors will be notified of receipt of submission via e-mail. If you do not receive notification, contact the Program Chairs at nsdi04chairs@usenix.org

Best Paper Awards

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

Work-in-Progress Reports

Would you like to share a provocative opinion, interesting preliminary work, or a cool idea that will provoke discussion? The NSDI technical sessions will include slots for work-in-progress reports and "outrageous" opinion statements. We are particularly interested in presentations of student work. To submit, please send a proposal (one page or less) to nsdi04wips@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 the Conference Office at bofs@usenix.org. BoFs may also be scheduled at the conference.

Registration Materials

Complete program and registration information will be available in December 2003 on the conference Web site. The information will be in both HTML and a printable PDF file. If you would like to receive the program booklet in print, please email your request, including your postal address, to: conference@usenix.org.