

4th USENIX Conference on File and Storage Technologies (FAST '05)

Sponsored by USENIX in cooperation with ACM SIGOPS, IEEE Mass Storage Systems Technical Committee (MSSTC), IEEE TCOS

<http://www.usenix.org/fast05>

December 14–16, 2005

San Francisco, California, USA

Important Dates

Paper Submissions due: *July 13, 2005,*

12:00 noon PDT (firm, no extensions)

Notification of acceptance: *August 30, 2005*

Camera-ready final papers due: *October 10, 2005*

Work-in-Progress and Poster Session proposals due:

December 1, 2005

Conference Organizers

Program Chair

Garth Gibson, *Carnegie Mellon University and Panasas*

Program Committee

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David L. Black, *EMC Corporation*

Peter Corbett, *Network Appliance*

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Kai Li, *Princeton University and Data Domain*

Darrell Long, *University of California, Santa Cruz*

Robert Morris, *Massachusetts Institute of Technology*

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Ellie Young, *USENIX Association*

Overview

The 4th USENIX Conference on File and Storage Technologies (FAST '05) brings together storage system researchers and practitioners to explore new directions in the design, implementation, evaluation, and deployment of storage systems. The conference will consist of two and a half days of technical presentations, including refereed papers, work-in-progress reports, and poster sessions.

Topics

Topics of interest include but are not limited to:

- ◆ Storage systems including databases, file systems, disks, and disk arrays
- ◆ Caching, replication, and consistency in storage systems
- ◆ Mobile storage systems and technologies
- ◆ Data and metadata layout and organization, indexing, parallelism
- ◆ Empirical studies including storage utilization, performance, and reliability
- ◆ I/O in parallel and distributed systems
- ◆ Novel storage architectures and technologies
- ◆ Storage for databases, digital libraries, supercomputer systems
- ◆ Storage networking, wide area storage, grid storage, peer-to-peer systems
- ◆ Storage system reliability, availability, scalability, and disaster tolerance
- ◆ Storage system security, management, and performance evaluation
- ◆ Storage compliance with regulation, fixed content optimizations, tiered storage
- ◆ Storage virtualization and storage aspects of system virtualization

Paper Submissions

Submissions will be done electronically via the FAST '05 Web site. A Web form asks for contact information for the paper and allows for the submission of your full paper file in PDF format.

Submissions must be of full papers (no extended abstracts) and must be no longer than fourteen (14) pages, including all notes, references, title page, appendices, and figures when typeset in two-column format in 10 point type on 12 point (single-spaced) leading, with the text block being no more than 6.5" wide by 9" deep.

Authors must not be identified in the submissions, either explicitly or by implication (e.g., through the references or acknowledgments).

Blind reviewing of full papers will be done by the program committee, assisted by outside referees. Conditionally-accepted papers will be shepherded through an editorial review process by a member of the program committee.

The FAST conference 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.

Submissions violating these rules or the formatting guidelines will not be considered for publication.

Best Paper Awards

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

Work-in-Progress Reports and Poster Sessions

The FAST technical sessions will include slots for work-in-progress reports, preliminary results, "outrageous" opinion statements, and poster sessions. We are particularly interested in presentations of student work. To submit, please send a proposal (one page or less) to fast05wips@usenix.org by December 1, 2005. Please indicate if you wish your proposal to be considered for a WiP report, a poster session, or both.

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 September 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>.