



# 2013 USENIX Annual Technical Conference

[www.usenix.org/conference/atc13](http://www.usenix.org/conference/atc13)

June 26–28, 2013

San Jose, CA

## Important Dates

Paper titles and abstracts due: *Wednesday, January 23, 2013, 11:59 p.m. EST*

Complete paper submissions due: *Wednesday, January 30, 2013, 11:59 p.m. EST*

Notification to authors: *Monday, April 8, 2013*

Final papers due: *Monday, May 20, 2013*

## Conference Organizers

### Program Co-Chairs

Andrew Birrell, *Microsoft Research Silicon Valley*

Emin Gün Sirer, *Cornell University*

### Program Committee

Mustaque Ahamad, *Georgia Institute of Technology*

Lorenzo Alvisi, *The University of Texas at Austin*

Ozalp Babaoglu, *Università di Bologna*

Mike Burrows, *Google*

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Steve Ko, *University of Buffalo*

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Karsten Schwan, *Georgia Institute of Technology*

Kai Shen, *University of Rochester*

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Liuba Shrira, *Brandeis University*

Christopher Small, *Quanta Research*

Kobus van der Merwe, *University of Utah*

Jonathan Walpole, *Portland State University*

Meg Walraed-Sullivan, *Microsoft Research Redmond*

Alec Wolman, *Microsoft Research Redmond*

Bernard Wong, *University of Waterloo*

Yuanyuan Zhou, *University of California, San Diego*

## Overview

Authors are invited to submit original and innovative papers to the Refereed Papers Track of the 2013 USENIX Annual Technical Conference. We seek high-quality submissions that further the knowledge and understanding of modern computing systems, with an emphasis on implementations and experimental results. We encourage papers that break new ground, present insightful results based on practical experience with computer systems, or are important, independent reproductions/refutations of the ex-

perimental results of prior work. USENIX ATC has a broad scope, and specific topics of interest include but are not limited to:

- Architectural interaction
- Big data infrastructure
- Cloud computing
- Datacenter networking
- Deployment experience
- Distributed and parallel systems
- Embedded systems
- Energy/power management
- File and storage systems
- Mobile, wireless, and sensor systems
- Networking and network services
- Operating systems
- Reliability, availability, and scalability
- Security, privacy, and trust
- System and network management and troubleshooting
- Usage studies and workload characterization
- Virtualization

Papers with a focus on the state of systems practice and of interest to practitioners are especially welcome. Experience reports and operations-oriented studies, as well as other work that studies software artifacts, introduces new data sets of practical interest, or impacts the implementation of software components in areas of active interest to the community are well-suited for the conference.

The conference seeks both long-format papers consisting of 12 pages and short-form papers of 6 pages. Short papers will be included in the proceedings, and will be presented as normal but in sessions with slightly shorter time limits.

## Best Paper Awards

Cash prizes will be awarded to the best papers at the conference. Please see the USENIX proceedings library for Best Paper winners from previous years: [www.usenix.org/publications/proceedings](http://www.usenix.org/publications/proceedings).

## What to Submit

Authors are required to submit abstracts and titles for their papers by the abstract deadline, followed by full papers by the paper submission deadline. *These are hard deadlines; no extensions will be given.* All submissions for USENIX ATC '13 will be electronic, in PDF format, through the Web submission form on the USENIX ATC '13 Web site, [www.usenix.org/conference/atc13](http://www.usenix.org/conference/atc13).

USENIX ATC '13 will accept two types of papers:

- **Full papers:** Submitted papers must be no longer than 12 single-spaced 8.5" by 11" pages, including figures, tables, and references. Papers should be formatted in 2 columns, using 10-point type on 12-point leading, in a text block of 6.5" by 9". Figures and tables must be large enough to be

legible when printed on 8.5" by 11" paper. Color may be used, but the paper should retain its meaning when printed in monochrome. The first page of the paper should include the paper title and author name(s); reviewing is single-blind. Papers longer than 12 pages or violating formatting specifications will not be reviewed. In a good paper, the authors will have:

- Addressed a significant problem
  - Devised an interesting and practical solution or provided an important, independent, and experimental reproduction/refutation of prior solutions
  - 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
- **Short papers:** Authors with a contribution for which a full paper is not appropriate may submit short papers of at most 6 pages, with the same formatting guidelines as full papers. Examples of short paper contributions include:
- Original or unconventional ideas at a preliminary stage of development
  - The presentation of interesting results that do not require a full-length paper, such as negative results or experimental validation
  - Advocacy of a controversial position or fresh approach

For more details on the submission process, and for templates to use with LaTeX, Word, etc., authors should consult the detailed submission requirements on the USENIX ATC '13 Web site. Specific questions about submissions may be sent to [atc13chairs@usenix.org](mailto:atc13chairs@usenix.org).

By default, all papers will be made available online to registered attendees before the conference. If your accepted paper should not be published prior to the event, please notify [production@usenix.org](mailto:production@usenix.org). In any case, the papers will be available online to everyone beginning on the first day of the conference, June 26, 2013.

Papers accompanied by nondisclosure agreement forms will not be considered. Accepted submissions will be treated as confidential prior to publication on the USENIX ATC '13 Web site; rejected submissions will be permanently treated as confidential.

Simultaneous submission of the same work to multiple venues, submission of previously published work, or plagiarism constitutes dishonesty or fraud. USENIX, like other scientific and technical conferences and journals, prohibits these practices and may take action against authors who have committed them. See the USENIX Conference Submissions Policy at [www.usenix.org/conferences/submissions-policy](http://www.usenix.org/conferences/submissions-policy) for details. Note that the above does not preclude the submission of a regular full paper that overlaps with a previous short paper or workshop paper. However, any submission that derives from an earlier paper must provide a significant new contribution (for example, by providing a more complete evaluation), and must explicitly mention the contributions of the submission over the earlier paper. If you have questions, contact your program co-chairs, [atc13chairs@usenix.org](mailto:atc13chairs@usenix.org), or the USENIX office, [submissionspolicy@usenix.org](mailto:submissionspolicy@usenix.org).

Authors will be notified of paper acceptance or rejection by April 8, 2013. Acceptance will typically be conditional, subject to shepherding by a program committee member.

**Note regarding registration:** One author per accepted paper will receive a registration discount.

## Program and Registration Information

Complete program and registration information will be available in April 2013 on the conference Web site.

