



7th USENIX Workshop on Hot Topics in Storage and File Systems (HotStorage '15)

Sponsored by USENIX, the Advanced Computing Systems Association

July 6–7, 2015, Santa Clara, CA

HotStorage '15 will be co-located with the 2015 USENIX Annual Technical Conference (ATC '15) July 8–10, 2015.

Important Dates

Submissions due: *March 17, 2015, 11:59 p.m. PDT*

Notification to authors: *April 21, 2015*

Final paper files due: *May 21, 2015*

Workshop Organizers

Program Co-Chairs

Ken Salem, *University of Waterloo*

John Strunk, *NetApp*

Program Committee

Marcos K. Aguilera

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Randal Burns, *Johns Hopkins University*

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Overview

The purpose of the HotStorage workshop is to provide a forum for the cutting edge in storage research, where researchers can exchange ideas and engage in discussions with their colleagues. The workshop seeks submissions that explore long-term challenges and opportunities for the storage research community. Submissions should propose new research directions, advocate non-traditional approaches, or report on noteworthy actual experience in an emerging area. We particularly value submissions that effectively advocate fresh, unorthodox, unexpected, controversial, or counterintuitive ideas for advancing the state of the art.

Submissions will be judged on their originality, technical merit, topical relevance, and likelihood of leading to insightful discussions that will influence future storage systems research. In keeping with the goals of the HotStorage workshop, the review process will heavily favor submissions that are forward-looking and open-ended, as opposed to those that summarize mature work.

Topics of Interest

HotStorage '15 welcomes submissions on any of the following general topics. Because of the nature of the workshop, this list is not exhaustive. We also welcome submissions on other topics broadly related to storage systems, technologies, and applications.

- Archival storage
- Cloud storage
- Caching, tiering, and replication
- Energy-efficient storage
- File system design
- Key-value and NoSQL storage
- Mobile storage
- New and complex memory hierarchies
- Distributed storage architectures and data consistency
- Programming models for new memories
- Solid-state storage
- Storage and server convergence
- Storage at home
- Storage security
- Storage performance modeling and prediction
- Storage quality of service
- The challenges of "Big Data"
- Software-defined Storage
- Application-specific storage

Workshop Details

HotStorage '15 is expected to be a two-day workshop. At least one author of each accepted paper must attend the workshop to present the paper. Presentation details and guidelines will be communicated to the authors of the accepted papers. Authors of accepted papers will also be expected to prepare a poster summarizing their submission to be presented as part of a HotStorage '15 poster session.

Paper Submission Instructions

Papers submitted to HotStorage '15 must be no longer than five (5) two-column pages, including figures and references. Papers should be submitted electronically via the Web submission form, which will be available soon. Submissions should be PDF documents that are viewable by standard tools. Submissions must follow the USENIX formatting guidelines: 10-point type on 12-point (single-spaced) leading, with the text block being no more than 6.5" wide by 9" deep. See the detailed formatting requirements at <https://www.usenix.org/conference/hotstorage15/requirements-authors>.

Submissions to HotStorage '15 may not be under consideration for any other venue. 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 <https://www.usenix.org/conferences/submissions-policy> for details. Questions? Contact your program co-chairs, hotstorage15chairs@usenix.org, or the USENIX office, submissionspolicy@usenix.org.

The review process is not blind. The names and affiliations of the authors should be included on the first page. The names of the reviewers, however, will remain anonymous. Papers accompanied by nondisclosure agreement forms will not be considered. Accepted submissions will be treated as confidential prior to publication on the USENIX HotStorage '15 Web site; rejected submissions will be permanently treated as confidential.

All papers will be available online to registered attendees before the workshop. If your accepted paper should not be published prior to the event, please notify production@usenix.org. The papers will be available online to everyone beginning on the first day of the workshop.

