

3rd USENIX Conference on Web Application Development (WebApps '12)

Sponsored by USENIX, the Advanced Computing Systems Association

<http://www.usenix.org/webapps12>

June 13–14, 2012

Boston, MA

WebApps '12 will take place during USENIX Federated Conferences Week, June 12–15, 2012.

Important Dates

Submissions due: *January 23, 2012, 11:59 p.m. PST (hard deadline, no extensions, no exceptions, so don't ask)*

Notification to authors: *March 26, 2012*

Final files due: *May 7, 2012*

Conference Organizers

Program Chair

Michael Maximilien, *IBM Research—Watson*

Program Committee

Patrick Chanezon, *VMware, Inc.*

Chris Grier, *University of California, Berkeley*

Collin Jackson, *Carnegie Mellon University*

Robert Johnson, *Facebook, Inc.*

Emre Kiciman, *Microsoft Research*

Samuel Talmadge King, *University of Illinois at Urbana-Champaign*

Raffi Krikorian, *Twitter, Inc.*

James Mickens, *Microsoft Research*

Subbu Subramanian, *Facebook, Inc.*

Overview

The Web is now the dominant platform for delivering interactive applications to hundreds of millions of users. Such applications are now expected to scale effortlessly from tens of users to tens of millions of users in a single day, while providing a responsive “always-on” experience. These demands, as well as the new possibilities opened by the proliferation of Web-capable mobile devices, require that Web apps’ design and operation be elastic, failure-tolerant, and seamlessly scalable, supporting multiple devices and access methods.

Like the inaugural WebApps '10 and '11, WebApps '12 seeks to attract cutting-edge research that advances the state of the art, not only of novel Web applications but also of infrastructure, tools, and techniques that support the development, analysis/testing, operation, or deployment of those applications.

Topics

Possible topics include but are not limited to:

- Storage for Web-scale applications
- Techniques for testing and debugging
- Novel strategies for fault tolerance or high availability in Web apps
- The Web as an emerging platform in new application areas
- Making Web apps social and integrating with social utilities, e.g., Facebook, Twitter, Google+, and others
- HCI techniques related specifically to Web apps
- Measurement, modeling, workload generation, and other tools to aid experimental research on Web apps
- New and unusual app features or implementation techniques
- Media delivery applications and infrastructure
- Client-side libraries, toolkits, plug-ins
- Server-side frameworks
- Languages and language engineering advances relevant to Web app development
- Deployment substrates and technologies (cloud computing, infrastructure as a service, testing as a service, etc.)

Submission Instructions

WebApps '12 will consist of a single track of refereed papers and, new this year, a set of short paper demos. Papers with practical significance and/or working prototypes will be preferred over purely theoretical results. Short paper demo submissions *must* have a working prototype. Submitted papers must be no longer than 12 pages for regular papers and 6 pages for demo papers, including figures, tables, and references. All papers should be formatted in two columns, using 10 point type on 12 point (single-spaced) leading, in a text block of 6.5” by 9”. The first page of the paper should include the paper title and author name(s). Papers that do not conform to these requirements will not be reviewed.

In a good regular or demo paper, the authors will have:

- Addressed a significant and challenging problem
- Devised an interesting and practical solution
- Clearly described what they have and have not implemented
- Demonstrated the benefits of their solution, through experiments and prototypes where appropriate
- Articulated the specific contributions and advances over previous work
- Drawn appropriate conclusions about the implications for the state of the art
- **Demo papers only:** Will be able to give a quick 5-minute demo or to give the audience the URL of a recorded video or of a live Web site that they can use

For more details on the submission process, advice on how to prepare a competitive paper, and templates to use with LaTeX, Word, etc., authors should consult the detailed submission requirements on the WebApps '12 Call for Papers Web site, <http://www.usenix.org/webapps12/cfp>. Submit papers using the HotCRP submission form, also on the CFP Web site.

All papers will be 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. The papers will be available online to everyone beginning on the first day of the conference, June 13, 2012.

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, on the recommendation of a program chair, take action against authors who have committed them. See the USENIX Conference Submissions Policy at <http://www.usenix.org/submissionpolicy>. Questions? Contact your program chair, webapps12chair@usenix.org, or the USENIX office, submissionspolicy@usenix.org.

Papers accompanied by nondisclosure agreement forms will not be considered. Accepted submissions will be treated as confidential prior to publication on the USENIX WebApps '12 Web site; rejected submissions will be permanently treated as confidential.

One author per accepted paper will receive a registration discount. USENIX will offer a complimentary registration upon request.

Program and Registration Information

Complete program and registration information will be available in April 2012 on the conference Web site. If you would like to receive the latest USENIX conference information, please join our mailing list: <http://www.usenix.org/about/ mailing.html>.