

HotOS XI

11th Workshop on Hot Topics in Operating Systems

Sponsored by USENIX, The Advanced Computing Systems Association, in cooperation with the IEEE Technical Committee on Operating Systems (TCOS)

<http://www.usenix.org/hotos07>

May 7–9, 2007

Catamaran Resort Hotel, San Diego, CA

Important Dates

Paper submissions due (hard deadline): *January 4, 2007*

Notification to authors: *March 6, 2007*

Final position papers due: *April 10, 2007*

Publication of papers for participants: *April 17, 2007*

Conference Organizers

Program Chair

Galen Hunt, *Microsoft Research*

Program Committee

George Candea, *EPFL*

Landon Cox, *Duke University*

Armando Fox, *University of California, Berkeley*

Rebecca Isaacs, *Microsoft Research Cambridge*

Rodrigo Rodrigues, *Instituto Superior Técnico and INESC-ID*

Margo Seltzer, *Harvard University*

Michael Swift, *University of Wisconsin, Madison*

Amin Vahdat, *University of California, San Diego*

David Wetherall, *Intel Research and University of Washington*

John Wilkes, *Hewlett-Packard Labs*

Emmett Witchel, *University of Texas at Austin*

Yuanyuan Zhou, *University of Illinois at Urbana-Champaign*

Overview

The field of Operating Systems research is more relevant today than ever. Massively multi-core architectures, field programmable hardware, virtual machine monitors, safe languages, security, and dependability requirements are all in significant flux while processor speeds have stagnated. Decades-old assumptions about computer architecture and the computing environment are being challenged or changing.

In the context of these dramatic changes, the 11th Workshop on Hot Topics in Operating Systems will bring together people conducting innovative work in the systems area for three days of interaction, with all attendees being active participants and contributors throughout the workshop. Continuing the HotOS tradition, this workshop will be a place to present and discuss new ideas about computer systems and how technological advances and new applications are shaping our computational infrastructure.

We request submissions of position papers that propose new directions of research, advocate nontraditional approaches to old (or new) ideas, or generate insightful discussion. HotOS takes a broad view of what the systems area encompasses and seeks contributions from all fields of systems practice, including operating systems, data storage, networking, security, ubiquitous computing, Web-based systems, tools, and systems management. As a venue for exploring new ideas, HotOS encourages contributions influenced by other fields such as hardware design, networking, economics, social organizations, biological systems, and the impact of compiler developments on systems and vice versa. We particularly look for position papers containing highly original ideas.

To ensure a productive workshop environment, attendance is limited to about 60 participants who are active in the field. We urge practitioners as well as researchers to contribute submissions. Each potential participant should submit a *position paper* of five or fewer pages that exposes a new problem, advocates a new approach to an old idea, or reports on actual experience. Participants will be invited based on the submission's originality, technical merit, topical relevance, and likelihood of leading to insightful technical discussions at the workshop. Multiple authors may share a position paper, but at most two authors per paper will be invited to participate in the workshop.

Preliminary online proceedings will be made available via the Web by April 17, 2007, for workshop participants. Printed proceedings, including a summary of the interactions at the workshop, will be published and mailed to participants after the workshop.

Submitting a Paper

Position papers must be received by 11:59 p.m. Pacific Standard Time, on Thursday, January 4, 2007. **This is a hard deadline—no extensions will be given.**

Submissions must be no longer than 5 pages including figures, tables, and references. Text should be formatted in two columns on 8.5-inch by 11-inch paper using 10 point fonts on 12 point (single-spaced) leading, and 1-inch margins. Author names and affiliations should appear on the title page (reviewing is not blind). Pages should be numbered, and figures and tables should be legible in black and white without requiring magnification. Papers not meeting these criteria will be rejected without review, and no deadline extensions will be granted for reformatting.

Papers must be submitted in PDF format via the Web submission form, which will be available at <http://www.usenix.org/events/hotos07/cfp/>.

All submissions will be acknowledged by January 9, 2007. If your submission is not acknowledged by this date, please contact the program chair promptly at hotos07chair@usenix.org.

All submissions are held in the highest confidentiality prior to publication in the proceedings both as a matter of policy and in accord with the U.S. Copyright Act of 1976. The proceedings will be published to the Web no earlier than April 10, 2007. Papers accompanied by nondisclosure agreement forms are not acceptable and will be returned to the author(s) unread.

Simultaneous submission of the same work to multiple venues, submission of previously published work, and plagiarism constitute 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. In some cases, program committees may share information about submitted papers with other conference chairs and journal editors to ensure the integrity of papers under consideration. If a violation of these principles is found, sanctions may include, but are not limited to, barring the authors from submitting to or participating in USENIX conferences for a set period, contacting the authors' institutions, and publicizing the details of the case.

Authors uncertain whether their submission meets USENIX's guidelines should contact the program chair, hotos07chair@usenix.org, or the USENIX office, submissionspolicy@usenix.org.