

# 5th USENIX Workshop on Hot Topics in Parallelism (HotPar '13)

Sponsored by USENIX, the Advanced Computing Systems Association

[www.usenix.org/conference/hotpar13](http://www.usenix.org/conference/hotpar13)

June 24–25, 2013

San Jose, CA

*HotPar '13 will take place during USENIX Federated Conferences Week, June 24–28, 2013.*

## Important Dates

Paper and Abstract submissions due: *Thursday, March 7, 2013, 9:00 p.m. EST*

Notification to authors: *Wednesday, April 17, 2013*

Electronic files of final papers due: *Tuesday, May 7, 2013*

## Workshop Organizers

### Program Co-Chairs

Emery Berger, *University of Massachusetts Amherst*  
 Kim Hazelwood, *Google*

### Program Committee

Tor Aamodt, *University of British Columbia*  
 Luis Ceze, *University of Washington*  
 Babak Falsafi, *EPFL*  
 Stephen Freund, *Williams College*  
 Antonio Gonzales, *Intel and Universitat Politècnica de Catalunya*  
 Rick Hudson, *Intel*  
 David Kaeli, *Northeastern University*  
 Martha Kim, *Columbia University*  
 Jim Larus, *Microsoft Research*  
 Tipp Moseley, *Google*  
 Mark Oskin, *University of Washington*  
 Guilherme Ottoni, *Facebook*  
 Jens Palsberg, *University of California, Los Angeles*  
 Shaz Qadeer, *Microsoft Research*  
 Martin Rinard, *Massachusetts Institute of Technology*  
 Daniel Sanchez, *Massachusetts Institute of Technology*  
 Lingjia Tang, *University of California, San Diego*  
 Kaushik Veeraghavan, *Facebook*  
 Jan Vitek, *Purdue University*  
 Adam Welc, *Oracle Labs*  
 Tom Wenisch, *University of Michigan*

### Steering Committee

Luis Ceze, *University of Washington*  
 Clem Cole, *Intel*  
 Anne Dickison, *USENIX*  
 Alexandra Fedorova, *Simon Fraser University*  
 James Larus, *Microsoft Research*  
 Geoff Lowney, *Intel*  
 David Patterson, *University of California, Berkeley*

## Overview

The 5th USENIX Workshop on Hot Topics in Parallelism (HotPar '13) will bring together researchers and practitioners doing innovative work in the area of parallel computing. Multicore and multithreaded processors are now pervasive, a trend driven by technology scalability limits and energy consumption concerns in uniprocessors. This new era of computing has introduced a distinct set of challenges that spans architectures, systems, languages, and applications. Navigating the new era will require new parallel programming paradigms, new application design methods, new structures for system software, and new models of interaction

among applications, compilers, operating systems, and hardware.

## Submissions

We request submissions of position papers that propose new directions for research or products in these areas, advocate non-traditional approaches to the problems engendered by parallelism, or potentially generate controversy and discussion. We encourage submissions from practitioners as well as from researchers. HotPar recognizes the broad impact of multicore computing and seeks relevant contributions in all fields, including application design, languages and compilers, systems, and architecture. We particularly encourage contributions containing highly original ideas that are likely to have a significant impact.

To ensure a productive workshop environment, attendance will be limited to 75 participants. Each potential participant should submit a position paper of five or fewer pages (not including references, which can be on extra pages). Papers will be selected based on the submission's originality, technical merit, topical relevance, and likelihood of leading to insightful technical discussion at the workshop.

The main body of each paper must be no longer than 5 single-spaced 8.5" x 11" pages, including figures and tables, but not including references; two-column format, using 10-point type and a text block 6.5" wide x 9" deep. Author names and affiliations should appear on the paper. Extra pages are only allowed for references. A sample USENIX Latex style file can be downloaded at [www.usenix.org/templates-conference-papers](http://www.usenix.org/templates-conference-papers)

Position papers must be in PDF and must be submitted via the Web submission form on the HotPar '13 Call for Papers Web site, [www.usenix.org/conference/hotpar13/call-for-papers](http://www.usenix.org/conference/hotpar13/call-for-papers). The deadline for paper registration and abstract submission is Monday, March 4, 2013, 9:00 p.m. EST. There will be no extension of the deadline. Complete paper submissions are due Thursday, March 7, 2013, 9:00 p.m. EST.

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](mailto:production@usenix.org). The papers will be available online to everyone beginning on the first day of the workshop, June 24, 2013.

Authors of accepted papers will be invited to present their paper at the workshop. Submission of the paper implies the author's consent to present the paper if it is accepted. In continuation of the successful format of previous years, there will be ample time for questions during the presentations, as well as for "hallway" conversations.

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). Questions? Contact your program co-chairs, [hotpar13chairs@usenix.org](mailto:hotpar13chairs@usenix.org) or the USENIX office, [submissionspolicy@usenix.org](mailto: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 HotPar '13 Web site; rejected submissions will be permanently treated as confidential.

