HotAC II – Second Workshop on Hot Topics in Autonomic Computing

In conjunction with the 4th IEEE International Conference on Autonomic Computing (ICAC-07)
Jacksonville, Florida, USA
June 11-15, 2007
http://www.aqualab.cs.northwestern.edu/HotACII

Important Dates

Submission deadline: Monday April 2nd, 2007 (11:59 EST – GMT- 5) (hard deadline)
Notification of acceptance: Friday April 20th, 2007
Camera-ready copy due: Wednesday May 2nd, 2007

Overview

The Second Workshop on Hot Topics in Autonomic Computing will bring together a broad range of researchers in the computer systems, networks, and autonomic computing communities to discuss new ideas and developments in conquering the challenges of managing ever-more complex large-scale systems. The goal of the workshop is to promote community-wide discussion of potentially high-impact ideas that will influence and foster continued research in improving the manageability and reliability of large-scale systems.

We request submissions of position papers of five or fewer pages from researchers or practitioners that propose new directions of research, advocate non-traditional approaches to old (or new) challenges, or report on experiences with real systems that may stir up new problems or suggest new solutions. Topics that are likely to provoke fruitful controversy are strongly encouraged.

The topics of interest include, but are by no means limited to:

- Novel approaches to large-scale systems management from control theory, economics and machine learning approaches to biologically-inspired ideas, social organizations and others
- Experience reports on managing reliable, large-scale systems
- Autonomic properties in emergent and self-organizing systems
- Human-computer interaction issues in systems management
- Manageability and reliability of overlay-based and peer-to-peer systems
- Techniques for detection, diagnosis and recovery from failures
- Self-organization in pervasive computing and ad-hoc networking

Papers will be selected based on their originality, technical merit, topical relevance, and the likelihood that their presentations will lead to insightful technical discussions at the workshop. In addition, we will favor papers with a potential to influence future research, including papers likely to lead to eventual high-quality publication in ICAC, SOSP, SIGCOMM or other high-quality conferences.

Online copies of the position papers will be made available via the web prior to the workshop. The Program Committee will write short New York Times Book Review-style public reviews of accepted papers, for inclusion in the proceedings, to provide the broader community with additional perspectives on future directions in the field.
Submitting a Paper

Position papers must be received by Monday April 2nd, 2007. *This is a hard deadline—no extensions will be given.* Submissions should contain five or fewer two-column pages, including all figures and references, using 11-point fonts, standard spacing, and 1-inch margins. Please number pages. All submissions will be electronic, and must be in either PDF format (preferred) or PostScript. Author names and affiliations should appear on the title page. Papers should be submitted via the Web submission form that will be available on the workshop Web site, [http://www.aqualab.cs.northwestern.edu/HotACII](http://www.aqualab.cs.northwestern.edu/HotACII). Authors will be notified of acceptance by April 20th, 2007. Authors of accepted papers will produce a final PDF by May 2, 2007. All accepted papers and their public reviews will be available online prior to the workshop and will be published in the Proceedings of HotAC II.

Workshop Organizers

**Program Co-Chairs**

Fabián E. Bustamante, Northwestern U.
Emre Kiciman, Microsoft Research

**Program Committee**

Lorenzo Alvisi, U.T. Austin
Christof Fetzer, Dresden U.
Brett Fleisch, U.C. Riverside/National Science Foundation
Y. Charlie Hu, Purdue U.
Jeff Kephart, IBM Research
Dejan Kostic, EPFL
Aleksandar Kuzmanovic, Northwestern U.
David Oppenheimer, Google
Manish Parashar, Rutgers U.
Rama Ramasubramanian, Microsoft Research.
Karsten Schwan, Georgia Tech.
Maarten van Steen, Vrije U.
Geoffrey M. Voelker, U.C. San Diego
John Wilkes, Hewlett Packard Labs