Announcement and Call for Abstracts

Fifth Workshop in Hot Topics in Autonomic Computing

Held in conjunction with the 7th IEEE International Conference on Autonomic Computing (ICAC-10)

http://www.doc.ic.ac.uk/~jamm/HotACV/

Overview

The fifth Workshop on Hot Topics in Autonomic Computing (HotAC V) will bring together a broad range of researchers from computer systems, networking, databases, machine learning, and other fields to promote a community-wide discussion of potentially high-impact ideas regarding improving the manageability and reliability of computing systems. The workshop will be held in conjunction with the 7th IEEE International Conference on Autonomic Computing (ICAC-2010) in Washington, USA.

The focus of this year's workshop is on *transitioning AC to the real-world - applications, experiences and serendipity*. Through a highly interactive workshop, our goal is to identify the pitfalls that lead to new ideas; the unexpected serendipity that can never be found in the Lab, and from this to outline promising AC research directions. Topics of interest include (but are not limited to):

- Transitioning methodologies, frameworks and best practices.
- Lessons learnt from the transitioning process.
- Managing, maintaining and supporting AC systems in the field.
- How testing, validating and understanding the behaviour of self-managing systems changes when they enter the real world
- The user in the loop; how do practices, uses, attitudes and people change when AC systems have been introduced.
- New Metrics for evaluating the performance, reliability, and adaptivity of self-managing systems in the real world
- New real-world data and observations about self-managing systems that could not be found in lab studies
- Empirical studies that give a deeper understanding of the transitioning process for complex systems
- Empirical studies that strengthen or contradict previous studies or the established theory in autonomic computing resulting from the transitioning process.
- Other challenges unique to or exacerbated by moving AC out of the lab into the real world.

We solicit high-quality abstracts on one of the above themes or some other theme that focus' primarily on applications, systems and methodologies that propose new directions of research, advocate non-traditional approaches to old ideas, or generate controversy and discussion. The abstract should summarise the challenging and important problem being addressed, ideas or findings, and the potential implications to the evolving field of autonomic computing. Abstracts are limited to two pages in length and are due by 11:59 PM (Eastern Time) on March 16 2010. Submissions should be sent to hotacV-submit@doc.ic.ac.uk. Submitters will be notified of decisions on April 16, 2010.

Rather than publishing workshop proceedings, we expect the attendees to contribute to a written report on the key research challenges in this field, to be published in one of the main computer science magazines (such as the Communications of the ACM, IEEE Computer, or USENIX), and to a discussion summary that will be presented by the organizers to the general ICAC audience.

Important Dates

Submission deadline: March 16 2010 11:59 EST (GMT-5)
Notification of acceptance: April 16, 2010
Workshop: June 7-11, 2010