Proceedings of

The Second International Workshop on Hot Topics in Autonomic Computing (HotAC II)

Held in conjunction with
ICAC 2007

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In cooperation with The USENIX Association
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A Message from the Program Co-Chairs

Welcome to Jacksonville and to the second edition of the Workshop on Hot Topics in Autonomic Computing! HotAC brings together, once again, a broad group of researchers from the computer systems, networking, 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 high-impact ideas to influence and foster continued research on the manageability and reliability of large-scale systems.

In response to the call for papers, we received 17 submissions, each of which was reviewed by at least three members of the program committee. The five papers in these proceedings were selected for presentation at the workshop on the basis of their significance, novelty, technical quality and likelihood of spurring discussion at the workshop. Each of these papers is accompanied by a signed "public review" written by a leading researcher in the field. The opinions expressed in these reviews are those of the reviewers alone, and do not necessarily reflect the views of the program committee. Public reviewers offer alternative, singular takes on the work that are intended to assist the reader.

In addition, this year we are also very pleased to host the First International Workshop on Policy-Based Autonomic Computing (PBAC), a new workshop focused on systems that explicitly decouple autonomic computing mechanisms from the runtime policies that control them. We have intermixed both programs and all papers from both workshops have been included as part of this proceedings.

This second edition of HotAC could not have happened but for the joint efforts of many people. We thank the Steering Committee and the General Co-Chairs for the fourth IEEE International Conference on Autonomic Computing (ICAC-07) for their support and advice. We thank the IEEE Computer Society, the USENIX Association and Microsoft Research for their support. We want to specially thank our fantastic Program Committee: Lorenzo Alvisi, Christof Fetzer, Brett Fleisch, Y. Charlie Hu, Jeff Kephart, Dejan Kostic, Aleksandar Kuzmanovic, David Oppenheimer, Manish Parashar, Rama Ramasubramanian, Karsten Schwan, Maarten van Steen, Geoffrey M. Voelker, and John Wilkes, for their diligent and expert reviews and their advice. And finally, we wish to thank all the authors who submitted papers and all the attendees for contributing their experiences and expertise. We hope you enjoy the program.

June 2007

Fabián E. Bustamante, *Northwestern University, USA*
Emre Kıcıman, *Microsoft Research, Redmond, USA*

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