1. Introduction

The goals of HotDep are to bring forth cutting-edge research ideas spanning the domains of fault tolerance/reliability and systems, and to build linkages between the two communities (e.g., between people who attend traditional "dependability" conferences such as DSN and IS-SRE, and those who attend "systems" conferences such as OSDI, SOSP, and EuroSys). Previous HotDep workshop programs are available at http://hotdep.org/

To achieve these goals, we selected a program committee for HotDep’07 with a mix of people from both communities. The program committee for this year’s workshop was composed of:

Marcos K. Aguilera, Hewlett-Packard Labs
Lorenzo Alvisi, University of Texas at Austin
Paul Barham, Microsoft Research, Cambridge
Garth Gibson, Carnegie Mellon University
Anne-Marie Kermarrec, INRIA, Rennes
Petros Maniatis, Intel Research
Armando Fox, University of California, Berkeley
Ashvin Goel, University of Toronto
Rick Schlichting, AT&T Labs
Paulo Verissimo, University of Lisboa, Portugal
Yuanyuan Zhou, UIUC
Willy Zwaenepoel, EPFL, Lausanne

We received 22 submissions. The program committee wrote a total of 118 reviews and each paper was reviewed by at least 5 program committee members. After a meeting in Lisbon on March 23, we decided to accept 6 papers and to accept 16 of the other submissions as posters to be presented at the workshop. The 6 accepted papers were:

*Delta Execution for Software Reliability* Yuanyuan Zhou, Darkov Marinov, Craig Zilles, William Sanders, Joe Tucek, Marcelo D’Amorim, and Steven Lautenburg (University of Illinois at Urbana Champaign)

*Reliable Device Drivers Require Well-Defined Protocols* Leonid Ryzhyk, Timothy Bourke, and Ihor Kuz (NICTA and the University of New South Wales)

*Large-Scale Byzantine Fault Tolerance: Safe but Not Always Live* Rodrigo Rodrigues (INESC-ID and Tech. Univ. Lisbon), Petr Kouznetsov (MPI-SWS), and Bobby Bhattacharjee (Univ. of Maryland)

*Data Sanitization: Improving the Forensic Utility of Anomaly Detection Systems* Gabriela F. Cretu, Angelos Stavrou, Salvatore J. Stolfo and Angelos D. Keromytis (Columbia University)

*Improving Dependability by Revisiting Operating System Design* Francis David, Jeffrey Carlyle, Roy Campbell, Ellick Chan, and Philip Reames (University of Illinois at Urbana Champaign)

*Classic Paxos vs. Fast Paxos: Caveat Emptor* Flavio Junqueira (Yahoo! Research), Yanhua Mao, and Keith Marzullo (UC San Diego)

The posters span many subjects: operating systems, hardware, networking, security, and distributed systems. The papers and posters will be published in a supplement to the DSN proceedings and also online at http://hotdep.org/2007

We thank all the authors, the program committee, and George Candea (the chair of the steering committee) for helping us put this fun program together.