HotDep'09 Call for Papers

Fifth Workshop on Hot Topics in System Dependability (HotDep'09)
June 29, 2009
Estoril, Lisbon, Portugal

HotDep'09 will be co-located with the 39th Annual IEEE/IFIP International Conference on Dependable Systems and Networks (DSN'09, June 29 – July 2, 2009).

Important Dates
Paper submissions due: **March 23, 2009, 11:59 p.m. (GMT**)
Notification of acceptance: **April 20, 2009**
Final papers due: **May 11, 2009**

Program Co-Chairs
Christof Fetzer, Dresden University of Technology, Germany
Rodrigo Rodrigues, MPI-SWS, Germany

Program Committee
Marcos Aguilera, Microsoft Research, USA
Elmootazbellah Elnozahy, IBM, USA
Pascal Felber, University of Neuchatel, Switzerland
Ashvin Goel, University of Toronto, Canada
Flavio Junqueira, Yahoo Research Barcelona, Spain
Emre Kiciman. Microsoft Research, USA
Ethan Miller, University of California, Santa Cruz, USA
Shan Lu, University of Wisconsin, USA
Christopher Stewart, University of Rochester, USA
Lidong Zhou, Microsoft Research Asia, Beijing, China

Overview
Authors are invited to submit position papers to the Fifth Workshop on Hot Topics in System Dependability (HotDep'09). HotDep'09 brings forth cutting-edge research ideas in fault tolerance, reliability and systems. This year's HotDep will focus on critical components of the computing infrastructure: operating systems, networking, security, cloud computing, and language design.

We seek contributions from both academic researchers and industry practitioners to achieve a mix of long-range research vision and technology ideas anchored in immediate reality.

Position papers of a maximum length of 5 pages should preferably fall into one of the following categories:

- describing new techniques, algorithms, or protocols for building dependable systems that represent advances over prior options or might open new directions meriting further study
- revisiting old open problems in the domain using novel approaches that yield demonstrable benefits
- debunking an old, entrenched perspective on dependability
- articulating a brand-new perspective on existing problems in dependability
- describing an emerging problem (and, possibly, a solution) that must be addressed

by the dependable systems research community

The program committee will favor papers that are likely to generate healthy debate at the workshop, and work that is supported by some evidence of feasibility (e.g., preliminary experiments) or that includes other forms of validation.

Topics

Possible topics include but are not limited to:

- automated failure management, which enables systems to adapt on the fly to normal load changes or exceptional conditions
- techniques for better detection, diagnosis, or recovery from failures
- techniques for avoiding or masking failure or system intrusion
- forensic tools for use by administrators and programmers after a failure or attack
- techniques and metrics for quantifying aspects of dependability in specific domains (e.g., measuring the security, scalability, responsiveness, or other properties of a web service)
- tools/concepts/techniques for optimizing tradeoffs among availability, performance, correctness, and security
- novel uses of technologies not originally intended for dependability

Deadline and Submission Instructions

Authors are invited to submit position papers by 11:59 p.m. GMT on March 16, 2009. This is a firm deadline—no extensions will be given.

Submitted position papers must be no longer than 5 single-spaced 8.5" x 11" pages, including figures, tables, and references; two-column format, using 10-point type on 12-point (single-spaced) leading; and a text block 6.5" wide x 9" deep. Author names and affiliations should appear on the title page.

Papers must be in PDF format and must be submitted via the Web submission form accessible via www.dsn.org.

Authors will be notified of acceptance by April 20, 2009. Authors of accepted papers will produce a final version by May 11, 2009. All papers will be available online to attendees prior to the workshop and will be published electronically in Vol.2 of the Proceedings of DSN'09.

In addition to citing relevant prior work, authors must relate their HotDep submissions to relevant submissions of their own that are published or simultaneously under review for this or other venues.

Authors uncertain whether their submission meets our guidelines should contact the program co-chairs, hotdep09chairs@se.inf.tu-dresden.de. Papers accompanied by nondisclosure agreement forms will not be considered. All submissions will be treated as confidential prior to publication in the Proceedings.

Program and Registration Materials: Complete HotDep'09 program and registration information will be available in May 2009 via www.hotdep.org and www.dsn.org.