

HotDep'11 Call for Papers

Seventh Workshop on Hot Topics in System Dependability (HotDep'11)

<http://hotdep2011.cis.upenn.edu/>

June 27, 2011

Hong Kong, China

Overview

Authors are invited to submit position papers to the Seventh Workshop on Hot Topics in System Dependability (HotDep '11). The workshop will be co-located with the 41st Annual IEEE/IFIP International Conference on Dependable Systems and Networks (DSN'11), to be held June 27-30, 2011. HotDep '11 will bring forth cutting-edge research ideas spanning the domains of fault tolerance/reliability and systems, and will impact the two associated research communities (i.e., researchers who attend traditional "dependability" conferences such as DSN and ISSRE, and those who attend "systems" conferences such as OSDI, SOSP, and EuroSys). The workshop will build links between the two communities and serve as a forum for sharing ideas and challenges. HotDep has been alternating between DSN and OSDI since 2005; for previous HotDep workshops, see <http://www.hotdep.org/>.

Paper Scope and Topics

Possible topics include but are not limited to:

- Dependability in emerging platforms, such as data centers, handheld or cloud computing.
- Dependability in the software stack, including operating systems, network protocols, runtime systems, etc.
- Fault and intrusion tolerance, self-healing systems, and continuous operation throughout recovery.
- Reliability in large-scale systems.
- Techniques for better detection, diagnosis, or recovery from failures.
- Forensic tools for use by administrators and programmers after failure or attack.
- Techniques and metrics for quantifying aspects of dependability and security.
- Tools/concepts/techniques for optimizing tradeoffs among availability, performance, correctness, resource utilization and security

Authors should consider that the workshop aims to improve interactions among researchers from the dependability and systems communities, and thus the review process favors papers that are likely to generate a healthy debate. Example submissions include but are not limited to:

- Innovative techniques, algorithms, or protocols for building dependable/secure systems.
- Reconsideration of existing problems using novel approaches with demonstrable benefits.
- Description of an emerging problem and potential solutions.
- Refuting old, entrenched perspectives on dependability.
- Advocacy, critical or controversial papers if based on solid technical foundation.

Important Dates

Paper submissions due: **March 1, 2011, 11:59pm PST**

Notification of acceptance: **April 12, 2011**

Final papers due: **May 1, 2011**

Program Co-Chairs

Mootaz Elnozahy, IBM Research—Austin

Andreas Haeberlen, University of Pennsylvania

Program Committee

Lorenzo Alvisi	University of Texas at Austin
Remzi Arpaci-Dusseau	University of Wisconsin, Madison
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André Schiper	EPFL
Alexander Shraer	Yahoo! Research
Atul Singh	NEC Labs, Princeton
Marco Vieira	University of Coimbra
Lidong Zhou	Microsoft Research Asia, Beijing

Submission Instructions and Checklist:

1. The page limit is five 8.5in x 11in pages. This limit will be strictly observed.
2. Author name(s) and affiliation(s) should appear on the title page.
3. Papers must be submitted in PDF format. Please print the paper and preview it to ensure that no problems will occur during the reviews.
4. Each paper is to be typeset in single-spaced two-column format in 10-point typeface, with 1-inch margin from each side.
5. Papers accompanied by non-disclosure agreement forms will not be considered.
6. The submission website can be accessed at <http://hotdep2011.cis.upenn.edu/>.
7. Papers should not be submitted or be under consideration in parallel in another venue.
8. The deadline is firm—no extensions will be given.

Creativity should be limited to the content, not the format. Papers violating the format or limits will not be reviewed. Authors will be notified of acceptance on April 12, 2011. The final PDF will have a 6-page limit and will be due on May 1, 2011. All papers will be available online to registered conference attendees before the workshop. If you need further information or have any questions, please contact the program co-chairs at hotdep11chairs@seas.upenn.edu.