HotDep **06**

Second Workshop on Hot Topics
in System Dependability

Nov. 8, 2006
Seattle, WA

USENIX

JOIN US

Join us in Seattle, WA, November 8, 2006, for the second HotDep, a workshop that brings forth cutting-edge research ideas spanning the domains of fault tolerance/reliability and systems. HotDep centers on critical components of the infrastructures touching our everyday lives: operating systems, networking, security, wide-area and enterprise-scale distributed systems, mobile computing, compilers, and language design.

HotDep '06 will be held immediately following the 7th USENIX Symposium on Operating Systems Design and Implementation (OSDI '06), November 6–8, 2006. See http://www.usenix.org/osdi06 for details.

REGISTRATION / HOTEL

WORKSHOP REGISTRATION

Online pre-registration deadline: October 23, 2006
Register online at www.usenix.org/hotdep06

Registration Fee: $200
HotDep '06 registration fee includes:
  • Admission to workshop sessions
  • Access to HotDep '06 Proceedings online
  • Admission to workshop dinner
  • Wireless connectivity in workshop session area

HOTEL INFORMATION

**Hotel Discount Reservation Deadline:
October 16, 2006**

Red Lion Hotel on 5th Avenue
1415 5th Avenue
Seattle, WA 98101
206-971-8000 or 800-RedLion

Rate is $139 single/double plus 15.6% tax

SYMPOSIUM ORGANIZERS

PROGRAM CO-CHAIRS

George Candea, *EPFL and Aster Data Systems*
Ken Birman, *Cornell University*

PROGRAM COMMITTEE

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Geoff Voelker, *University of California, San Diego*
John Wilkes, *Hewlett-Packard Labs*

http://www.usenix.org/hotdep06

PROGRAM

Wednesday, November 8

1:30 p.m.–3:30 p.m.

FINDING THE NEEDLE IN THE HAYSTACK
Session Chair: Geoff Voelker, *University of California, San Diego*

Comprehensive Depiction of Configuration-dependent Performance Anomalies in Distributed Server Systems
Christopher Stewart, Ming Zhong, Kai Shen, and Thomas O'Neill, *University of Rochester*

Static Analysis Meets Distributed Fault-Tolerance: Enabling State-Machine Replication with Nondeterminism
Joseph G. Slember and Priya Narasimhan, *Carnegie Mellon University*

Correlating Multi-Session Attacks via Replay
Fareha Shafique, Kenneth Po, and Ashvin Goel, *University of Toronto*

Automatic Online Failure Diagnosis at the End-User Site
Joseph Tucek, Shan Lu, Chengdu Huang, Spiros Xanthos, and Yuanyuan Zhou, *University of Illinois at Urbana-Champaign*

3:30 p.m.–4:00 p.m.   Break

4:00 p.m.–6:00 p.m.

PRAGMATIC CHOICES FOR THE NEW AGE
Session Chair: Lorenzo Alvisi, *University of Texas at Austin*

The Case for Byzantine Fault Detection
Andreas Haeberlen, *Max Planck Institute for Software Systems and Rice University*; Petr Kouznetsov and Peter Druschel, *Max Planck Institute for Software Systems*

Safe at Any Speed: Fast, Safe Parallelism in Servers
John Jannotti and Kiran Pamnany, *Brown University*

Chunkfs: Using Divide-and-Conquer to Improve File System Reliability and Repair
Val Henson and Arjan van de Ven, *Intel Open Source Technology Center*; Amit Gud, *Kansas State University*; Zach Brown, *Oracle, Inc.*

Towards a Dependable Architecture for Internet-Scale Sensing
Rohan Narayana Murty and Matt Welsh, *Harvard University*

6:00 p.m.–7:30 p.m.   Workshop Dinner

7:30 p.m.–9:00 p.m.

HIDDEN GEMS (EXTENDED ABSTRACTS)
Session Chair: John Wilkes, *Hewlett-Packard Labs*

Making Exception Handling Work
Bruno Cabral and Paulo Marques, *University of Coimbra, Portugal*

Speculations: Providing Fault-tolerance and Recoverability in Distributed Environments
Cristian Tapus and Jason Hickey, *California Institute of Technology*

Discrete Control for Dependable IT Automation
Yin Wang, *University of Michigan*; Terence Kelly, *Hewlett-Packard Labs*; Stéphane Lafortune, *University of Michigan*

SecondSite: Disaster Protection for the Common Server
Brendan Cully, *University of British Columbia*; Andrew Warfield, *University of Cambridge*

Abort, Retry, Litigate: Dependable Systems and Contract Law
Hany E. Ramadan, *University of Texas at Austin*

Debate Panel
All 5 presenters from this session will take questions from the audience.