

# AADEBUG 2005 Final Program

## Sixth International Symposium on Automated and Analysis-Driven Debugging

Monterey, California, September 19-21, 2005  
<http://www.cs.nmsu.edu/aadebug/>



### September 19

8:00 am - 9:00 am Continental Breakfast, Bayview room  
9:00 am - 9:15 am Symposium Opening  
9:15 am - 11:00 am Keynote Talk: Bill Pugh  
11:00 am - 11:15 am Break

11:15 am - 12:30 pm Session 1, chair Mireille Ducasse  
*Find A Compiler Bug In 5 Minutes*  
Christian Lindig

*Specifying and Checking Component Usage*  
Steven P. Reiss

12:30 pm - 2 pm Lunch, Point Pinos room  
2:00 pm - 3:30 pm Session 2, chair Gerda Janssens  
*Automated Bug Isolation Via Program Chipping*  
Chad D. Sterling, Ronald A. Olsson

*Experimental Evaluation Of Using Dynamic Slices For Fault Location*  
Xiangyu Zhang, Haifeng He, Neelam Gupta, Rajiv Gupta

*Error Traces in Model-Based Debugging of Hardware Description Languages*  
Bernhard Peischl, Franz Wotawa

3:30 pm - 4:00 pm Break  
4:00 pm - 5:30 pm Session 3, chair Franz Wotawa  
*Justification and Debugging Of Answer Set Programs In Asp - Prolog*  
Omar El-Khatib, Enrico Pontelli, Tran Cao Son

*Divide-and-Query and Subterm Dependency Tracking In The Mercury Declarative Debugger*  
Ian Maclarty, Zoltan Somogyi, Mark Brown

### September 20

8:00 am - 9:00 am Continental Breakfast, Bayview room  
9:00 am - 9:15 am Opening

9:15 am - 10:30 am Session 4, chair Steve Reiss  
*Jockey: A User-Space Library For Record-Replay Debugging*  
Yasushi Saito

*Demo: Debugging Natural Semantics Specifications*  
Adrian Pop, Peter Fritzon

*Backtracking and Dynamic Patching For Free*  
Bjorn De Sutter, Bruno De Bus, Michiel Ronsse, Koen De Bosschere

10:30 am - 11 am Break  
11:00 am - 12:00 pm Session 5, chair Peter Fritzon

*Lightweight Bug Localization With AMPLE*  
Valentin Dallmeier, Christian Lindig, Andreas Zeller

*Analyzing & Debugging ILP Data Mining Query Execution*  
Remko Troncon, Gerda Janssens

12:00-12:30 Mystery Talk  
12:30 pm - 2 pm Lunch, Point Pinos room

2:00 pm - 3:00 pm Session 6, chair Michiel Ronsse  
*An Integrated Debugging Environment For Reprogrammable Hardware Systems*  
Kevin Camera, Hayden Kwok-Hay So, Bob W. Brodersen

*On The Design Of A Pervasive Debugger*  
Alex Ho, Steven Hand

3:00 pm - 3:30 pm Break  
3:30 pm - 5:30 pm Panel  
7 pm Conference dinner: Tarp's Roadhouse

### September 21

8:00 am - 9:00 am Continental Breakfast, Bayview room  
9:00 am - 9:15 am Opening

9:15 am - 10:45 am Session 7, chair Mikhail Auguston  
*Tdb: A Source-Level Debugger For Dynamically Translated Programs*  
Naveen Kumar, Bruce Childers, Mary Lou Soffa

*Debugging Object-Oriented Programs With Behavior Views*  
Donglin Liang, Kai Xu

*A Tracer Driver for Hybrid Execution Analyses*  
Ludovic Langevine, Mireille Ducassé

10:45 am - 11 am Break  
11:00 am - 12:30 pm Session 8, chair Jong-Deok Choi  
*A Contextual Interpretation Of Undefinedness For Runtime Assertion Checking*  
Yoonsik Cheon, Gary T. Leavens

*Code Coverage Testing Using Hardware Performance Monitoring Support*  
Alex Shye, Matthew Iyer, Vijay Janapareddi, Dan Connors

12:30 pm - 2 pm Lunch, Point Pinos room