



WDDD 2009 -- CALL FOR PAPERS

8th Workshop on Duplicating, Deconstructing, and Debunking

<http://www.ece.wisc.edu/~wddd>

Austin, Texas

June 21, 2009

Held in conjunction with the 36th Intl. Symposium on Computer Architecture (ISCA-36)

Organizers:

- Bryan Black, AMD
- Natalie Enright Jerger, University of Toronto
- Gabriel Loh, Georgia Tech

Important Deadlines

Abstract due:	April 15, 2009
Submission:	April 22, 2009
Acceptance:	May 18, 2009
Final version:	May 25, 2009

Program Committee:

- Bryan Black, AMD
- Steve Blackburn, ANU
- Mauricio Breternitz, Intel
- Trey Cain, IBM
- Natalie Enright Jerger, Toronto
- Rich Hankins, Nokia
- Mikko Lipasti, Wisconsin
- Gabriel Loh, Georgia Tech
- Ryan Rakvic, US Naval Academy
- Eric Rotenberg, NC State

Workshop Overview:

WDDD provides the computer systems research community a forum for work that validates or duplicates earlier results; deconstructs prior findings by providing greater, in-depth insight into causal relationships or correlations; or debunks earlier findings by describing precisely how and why proposed techniques fail where earlier successes were claimed, or succeed where failure was reported.

Traditionally, computer systems research conferences have focused almost exclusively on novelty and performance, neglecting an abundance of interesting work that lacks one or both of these attributes. A significant part of research—in fact, the backbone of the scientific method—involves independent validation of existing work and the exploration of strange ideas that never pan out. This workshop provides a venue for disseminating such work in our community. Published validation experiments strengthen existing work, while thorough comparisons provide new dimensions and perspectives. Studies that refute or correct existing work also strengthen the research community, by ensuring that published material is technically correct and has sound assumptions. Publishing negative or strange or unexpected results will allow future researchers to learn the hard lessons of others, without repeating their effort.

This workshop will set a high scientific standard for such experiments, and will require insightful analysis to justify all conclusions. The workshop will favor submissions that provide meaningful insights, and identify underlying root causes for the failure or success of the investigated technique. Acceptable work must thoroughly investigate and communicate why the proposed technique performs as the results indicate. Rebuttals may be invited for debunking submissions.

Submission Topics:

- Independent validation of earlier results with meaningful analysis
- In-depth analysis and sensitivity studies that provide further insight into earlier findings, or identify key parameters or assumptions that affect the results
- Studies that refute earlier findings, with clear justification and explanation
- Negative results for ideas that intuitively make sense and should work, along with explanations for why they do not
- Validation/refutation of controversial advertising claims by industrial competitors

Workshop Scope:

Computer Architecture	Code Generation and Optimization
Processor architecture/microarchitecture	Feedback-driven optimization
Memory hierarchy	Phase-based optimization
Multiprocessor systems	Modulo/trace scheduling
Power-efficient architectures	Efficient profiling techniques
Dependable architectures	Binary translation/optimization
Compiler/architecture interaction	Compilation support for thread-level speculation
Application-specific, reconfigurable and embedded architectures	Dynamic compilation, adaptive/continuous optimization