Kevin Moore

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EDUCATION

University of Wisconsin—Madison – Ph. D. Department of Computer Sciences (expected 2006)
Advisor Prof. David A. Wood

University of Wisconsin—Madison – Master of Sciences, Computer Science, 2001

Duke University – BSE, Electrical and Computer Engineering, 1997

PROFESSIONAL EXPERIENCE

Research Assistant - Wisconsin Multifacet Project, Department of Computer Sciences, University of Wisconsin—Madison (since Spring 2000)

Intern - Sun Microsystems Labs (Summer 2001)

Teaching Assistant - Department of Computer Sciences, University of Wisconsin, Madison (Fall 1999)

Associate Software Engineer - International Research Institute (1997 – 1999)

SKILLS

Programming - Proficient in Java, C++ and Python. Experience working in small groups and as part of large software engineering project.

Modeling and Simulation - Experience developing detailed timing models using Virtutech Simics. Working knowledge of queuing theory-based modeling.

SELECTED PUBLICATIONS

HPCA-07 Luke Yen, Jayaram Bobba, Michael R. Marty, Kevin E. Moore, Haris Volos, Mark D. Hill, Michael M. Swift and David A. Wood, "Decoupling Hardware Transactional Memory from Caches." *Thirteenth International Symposium on High Performance Computer Architecture (HPCA)*, to appear February 2007.

ASPLOS-06 Michelle J. Moravan, Jayaram Bobba, Kevin E. Moore, Luke Yen, Mark D. Hill, Ben Liblit, Michael M. Swift and David A. Wood, "Supporting Nested Transactions in LogTM." *Twelfth International Conference on Architectural Support for Programming Languages and Operating Systems (ASPLOS)*, October 2006.

HPCA-06 Kevin E. Moore, Jayaram Bobba, Michelle J. Moravan, Mark D. Hill and David A. Wood, "LogTM: Log-Based Transactional Memory." *Twelfth International Symposium on High Performance Computer Architecture (HPCA)*, February 2006.

ICPP-05 Martin Karlsson, Kevin E. Moore, Erik Hagersten and David A. Wood, "Exploring Processor Design Options for Java Based Middleware." *2005 International Conference on Parallel Processing (ICPP), June 2005*.

HPCA-03 Martin Karlsson, Kevin E. Moore, Erik Hagersten and David A. Wood, "Memory System Behavior of Java-Based Middleware." *Ninth International Symposium on High Performance Computer Architecture (HPCA)*, February 2003.