

Publications for the AMPI project

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1. Mario Nakazawa, David K. Lowenthal, and Wenduo Zhou. The MHETA Execution Model for Heterogeneous Clusters. *IEEE/ACM Supercomputing 2005 (SC '05)*, November 2005.
2. Haijin Yan, David K. Lowenthal, and Kang Li. [ACE: An Active, Client-Directed Technique for Reducing WNIC Energy During Web Browsing.](#) *15th ACM Workshop on Networks and Operating System Support for Digital Audio and Video (NOSSDAV)*, June 2005.
3. Doug McCreary, Kang Li, Scott A. Watterson, and David K. Lowenthal. [TCP-RC: A Receiver-Centered TCP Protocol for Delay-Sensitive Applications.](#) *12th SPIE/ACM Multimedia Computing and Networking Conference (MMCN)*, January 2005.
4. Michael Gundlach, Sarah Doster, Haijin Yan, David K. Lowenthal, Scott A. Watterson, and Surendar Chandra. [Dynamic, Power-Aware Scheduling for Mobile Clients Using a Transparent Proxy.](#) *33rd International Conference on Parallel Processing (ICPP)*, August 2004.
5. Chris Bentley, Scott A. Watterson, David K. Lowenthal, and Barry Rountree. [Implicit Java Array Bounds Checking on 64-bit Architectures.](#) *18th ACM International Conference on Supercomputing (ICS)*, June 2004.
6. Haijin Yan, Rupa Krishnan, Scott A. Watterson, and David K. Lowenthal. [Client-Centered Energy Savings for Concurrent HTTP Connections.](#) *14th ACM Workshop on Networks and Operating System Support for Digital Audio and Video (NOSSDAV)*, June 2004.
7. Haijin Yan, Rupa Krishnan, Scott A. Watterson, David K. Lowenthal, Kang Li, and Larry L. Peterson. [Client-Centered Energy and Delay Analysis for TCP Downloads.](#) *12th IEEE International Workshop on Quality of Service (IWQoS)*, June 2004.
8. D. Brent Weatherly, David K. Lowenthal, Mario Nakazawa, and Franklin Lowenthal. [Dyn-MPI: Supporting MPI on a Nondedicated Cluster of Workstations.](#) *IEEE/ACM Supercomputing 2003 (SC '03)*, November 2003.
9. Amit Karwande, Xin Yuan, and David K. Lowenthal. [CC-MPI: A Compiled Communication Capable MPI Prototype for Ethernet Switched Clusters.](#) *9th ACM Symposium on Principles and Practice of Parallel Programming (PPOPP)*, p. 95–106, June 2003.

Technical Reports/Manuscripts

Wenduo Zhou and David K. Lowenthal. A Parallel, Out-of-Core Algorithm for RNA Pseudoknot Prediction, 2005.

Mario Nakazawa, David K. Lowenthal, and Franklin Lowenthal. Efficient Data Distributions For Heterogeneous Clusters, 2005.