19th International Parallel and Distributed Processing Symposium
Workshop on Massively Parallel Processing
Friday, April 8, 2005

Start	End	Title
8:00 AM	8:10 AM	**Workshop Introduction** – Dr. Ray Hoare, University of Pittsburgh
8:10 AM	9:10 AM	**Keynote: Comparison of Very Large-Scale Systems: An Application Performance Perspective using Thousands of Processors** Dr. Darren Kerbyson Los Alamos National Laboratory
		Session: Communication in Massively Parallel Systems
9:10 AM	9:35 AM	**TiNy Threads: a Thread Virtual Machine for the Cyclops64 Cellular Architecture** J. Cuvillo, W. Zhu, Z. Hu and G. Gao University of Delaware
9:35 AM	10:00 AM	**Sparse Flat Neighborhood Networks (SFNNs): Scalable Guaranteed Pairwise Bandwidth & Unit Latency** T. Mattox, H. Dietz and W. Bieter University of Kentucky
10:00 AM	10:30 AM	BREAK
10:30 AM	10:55 AM	**An Empirical Comparison of OTIS-mesh and OTIS-hypercube Multicomputer Systems Under Deterministic Routing** H. Najafabadi, H. Sarbazi-azad, IPM and Sharif University of Technology, Iran
10:55 AM	11:20 AM	**The effect of Virtual channel Organization on the Performance of Interconnection networks** M. Rezazad and H. Sarbazi-Azad IPM and Sharif University of Technology, Iran
11:20 AM	11:45 AM	**Performance of Fault-tolerant Distributed Shared Memory on Broadcast- and Switch-based Architectures** C. Katsinis Drexel University
11:45 AM	1:15 PM	LUNCH
		Session: Massively Parallel Architectures and Models
1:15 PM	1:40 PM	**Afternoon Keynote:** **Industry Perspective: Parallel Processing on a Chip** WorldScape Inc.
1:40 PM	2:05 PM	**Extracting Speedup From C-code With Poor Instruction-level Parallelism** D. Kusic, R. Hoare, A. Jones, J. Fazekas and J. Foster University of Pittsburgh
2:05 PM	2:30 PM	**FPGA Implementation of the Massively Parallel GCA Model** W. Heenes, R. Hoffmann and S. Kanthak Tech. Univ. Darmstadt
2:30 PM	3:00 PM	BREAK
3:00 PM	3:25 PM	**Memory In Processor-Supercomputer On a Chip: Overcoming the Memory Wall to Achieve Massive On-Chip Parallelism** N. Venkateswaran, A. Shriraman and N. Soundararajan University of Rochester
3:25 PM	3:50 PM	**Stream PRAM** D. Ulm and M. Scherger University of Akron, Kent State University
3:50 PM	4:15 PM	**A Multiple Associative Model to Support Branches in Data Parallel Applications using the Manager-Worker Paradigm** W. Chantamas and J. Baker Kent State University
4:15 PM	5:00 PM	**Open Workshop Discussion and Planning for 2006**