



**18th International Parallel and Distributed
Processing Symposium
Workshop on Massively Parallel Processing
Friday April 30**

Start	End	Title
8:00 AM	8:10 AM	Workshop Introduction
8:10 AM	9:00 AM	Key Note: Mootaz Elnozahy, Sr. Manager and Master Inventor, IBM Research
9:00 AM	9:15 AM	BREAK
		Session: Massively Parallel FPGA Architecture
9:15 AM	9:40 AM	Implementing Cellular Automata in FPGA Logic M. Halback and R. Hoffmann TU Darmstadt
9:40 AM	10:05 AM	An 88-Way Multiprocessor within an FPGA with Customizable Instructions R. Hoare and S. Tung and K. Werger University of Pittsburgh
10:00 AM	10:30 AM	BREAK
		Session: Massively Parallel Architectures
10:30 AM	10:55 AM	Massively Parallel Data Mining Using Reconfigurable Hardware: Approximate String Matching Q. Zhang and R. Chamberlain and R. Indeck and B. West and J. White Washington University in St. Louis
10:55 AM	11:20 AM	A Scalable Associative Processor with Applications in Database and Image Processing H. Wang and L. Xie and M. Wu and R. Walker Kent State University
11:20 AM	11:45 AM	Solving the 2D Cutting Stock Problem Optimally Using a Generalized, Hybrid Data-Parallel/Control Style of Computing D. Ulm and J. Baker and M. Scherger University of Akron, Kent State University
12:00 PM	1:30 PM	LUNCH
		Session: Algorithms
1:30 PM	1:55 PM	Linear Feedback Shift Register Interconnection Networks F. Rodriguez-Salazar and J. Barker University of Glasgow
1:55 PM	2:20 PM	Parallel Matrix Algorithms on a Broadcast-based Architecture C. Katsinis and D Hecht and M. Zhu and H. Narravula Drexel University
2:20 PM	2:45 PM	Developing an aCe Solution for Two-Dimensional Strip Packing J. Dorband and C. Mumford and P. Wang NASA
3:00 PM	3:30 PM	BREAK
3:30 PM	3:55 PM	Two Parallel Computational Geometry Algorithms: A Discrete Voronoi Diagram with Disappearing Seeds and Convex Hull J. Szakas and C Trefftz Grand Valley State University
3:55 PM	4:20 PM	A Source Code Analyzer for Performance Prediction M Kuhnemann and T. Rauber and G. Runger Chemnitz University of Technology
4:20 PM	4:50 PM	Workshop Discussion and Planning for 2005