

**Day 1 | Tuesday, June 24, 2003**

Time	Systems	Applications	Cluster Solutions	Bioinformatics	Digital Content Creation/ Visualization/Simulations	Petroleum/ Geophysical Exploration	Automotive & Aerospace Engineering
8:30am - 9:00am	<b>Breakfast</b>						
9:00am - 10:00am	<b>Opening Keynote: John Picklo, DaimlerChrysler</b>						
10:00am - 10:30am	<b>Conference Attendee Break</b>						
10:30am - 11:30am	<b>S1:</b> Simple Linux Utility for Resource Management <b>10:30am - 11:15am</b> <b>S2:</b> Simple Installation and Administration Tool for Large-Scaled PC Cluster Systems <b>11:15am - 12:00pm</b>	<b>A1:</b> Large Scale Parallel Reservoir Simulations on a Linux PC Cluster <b>10:30am-11:15am</b> <b>A2:</b> Scalable Performance of FLUENT on NCSA IA-32 Linux Cluster <b>11:15am-12:00pm</b>	<b>C1:</b> Building the TeraGrid: The World's Largest Grid, Fastest Linux Cluster, and Fastest Optical Network Dedicated to Open Science	<b>B1:</b> Running BLAST on a Linux Cluster	<b>D1:</b> The Current State of Numerical Weather Prediction on Cluster Technology - What is Needed to Break the 25% Efficiency Barrier?	<b>P1:</b> Exploring the Earth's Subsurface with Itanium 2 Linux Clusters	<b>E1:</b> Cluster Computing in Space Applications
11:30am - 1:15pm	<b>Visit Exhibits   Lunch   GridWars II Parallel Programming Championship 12:00pm-1:00pm</b>						
1:15pm - 2:15pm	<b>S3:</b> The Space Simulator		<b>C2:</b> Building Blocks for 64-bit AMD Opteron Clusters	<b>B2:</b> Biobrew Linux: A Linux Cluster Distribution For Bioinformatics	<b>D2:</b> Building and Using Tiled Display Walls	<b>P2:</b> Scalability Considerations for Compute Intensive Applications	<b>E2:</b> Full Vehicle Dynamic Analysis Using Automated Component Modal Synthesis
2:30pm - 3:30pm	<b>ClusterWorld Challenge hosted by Pete Beckman</b>						
3:30pm - 4:00pm	<b>Conference Attendee Break</b>						
4:00pm - 5:00pm	<b>S4:</b> A Middleware-Level Parallel Transfer Technique Over Multiple Network Interfaces	<b>A3:</b> Moore's Law and Cluster Computing: When Moore Is Not Enough	<b>C3:</b> Tools for Optimizing HPC Applications on Intel Clusters	<b>B3:</b> Terascale Linux Clusters: Supercomputing Solutions for Life Sciences	<b>D3:</b> Real-time Visualization of Cluster Networks	<b>P3:</b> A Performance Study of Parallel Reservoir Simulation on HPC Clusters	<b>E3:</b> Using Clusters to Deliver Turn Key CFD Solutions
5:00pm - 6:00pm	<b>Visit Exhibits</b>						
6:00pm - 7:00pm	<b>Cluster Crash Party</b>						
7:15pm - 9:00pm	<b>Birds-of-a-Feather Meetings</b>						

**Day 2 | Wednesday, June 25, 2003**

Time	Systems	Applications	Cluster Solutions	Bioinformatics	Digital Content Creation/ Visualization/Simulations	Petroleum/ Geophysical Exploration	Automotive & Aerospace Engineering
8:30am - 9:00am	<b>Breakfast</b>						
9:00am - 10:00am	<b>Keynote: Jacobus N. Buur, Shell International Exploration and Production B.V.</b>						
10:00am - 10:30am	<b>Conference Attendee Break</b>						
10:30am - 11:30am	<b>S5:</b> The Cluster Integration Toolkit (CIT) <b>10:30am - 11:15am</b> <b>S6:</b> Scalable C3 Power Tools <b>11:15am - 12:00pm</b>	<b>A4:</b> Cooperative Caching in Linux Clusters <b>10:30am - 11:15am</b> <b>A5:</b> Object storage: scalable bandwidth for HPC clusters <b>11:15am - 12:00pm</b>	<b>C4:</b> The Ultra-Scalable HPTC Lustre Filesystem	<b>B4:</b> Blade Servers for Genomic Research	<b>D4:</b> HPC and HA Clustering for Online Gaming	<b>P4:</b> Geoscience visualization and seismic processing clusters: collaboration and integration issues	<b>E4:</b> LS-DYNA: CAE Simulation Software on Linux Clusters
11:30am - 1:15pm	<b>Visit Exhibits   Lunch</b>						
1:15pm - 2:15pm	<b>S7:</b> Full Circle: Simulating Linux Clusters on Linux Clusters		<b>C5:</b> Building the World's Most Powerful Cluster		<b>D5:</b> Large Scale Scientific Visualization on PC Clusters	<b>P5:</b> Case Study: Deploying Large-scale Seismic Processing Clusters at CGG	<b>E5:</b> Linux Clusters in the German Automotive Industry
2:30pm - 3:30pm	<b>Keynote: Tilak Agerwala, IBM Research, Delivering on the Promise of Clustering.</b>						
3:30pm - 4:00pm	<b>Conference Attendee Break</b>						
4:00pm - 5:00pm	<b>S8:</b> Memory Performance of Dual Processor Nodes: Comparison of Intel, Xeon and AMD Opteron Memory Subsystem Architectures <b>4:00pm - 4:45pm</b> <b>S9:</b> Scheduling for Improved Write Performance in a Parallel Virtual File System (CEFT-PVFS) <b>4:45pm - 5:30pm</b>	<b>A6:</b> Analyzing Cluster Log Files Using Logsurfer <b>4:00pm - 4:45pm</b> <b>A7:</b> Performance Evaluation of Load Sharing Policies with PANTS on Beowulf Clusters <b>4:45pm - 5:30pm</b>	<b>C6:</b> Driving Cluster/Grid Technologies in HPC	<b>B6:</b> High Performance Mathematical Libraries for Itanium 2 Clusters	<b>D6:</b> Inside the Architecture of a Large Scale, Low Latency, Audio Identification Cluster	<b>P6:</b> Grid Computing In The Energy Industry	<b>E6:</b> Improving Multi-site/Multi-departmental Cluster Systems Through Data Grids in the Automotive and Aerospace Industries
5:30pm - 6:30pm	<b>Panel: Extreme Networking: Interconnect Price, Performance and the Future, Moderated by Stephan Shankland</b>						
6:45pm - 7:30pm	<b>Excellence in Cluster Technology Awards</b>						

**Day 3 | Thursday, June 26, 2003**

Time	Systems	Applications	Cluster Solutions	Bioinformatics	Digital Content Creation/ Visualization/Simulations	Petroleum/ Geophysical Exploration	Automotive & Aerospace Engineering
8:30am - 9:00am	<b>Breakfast</b>						
9:00am - 10:00am	<b>Keynote: John Reynnders, Celera Therapeutics, Supercomputing Beyond the Genome</b>						
10:00am - 10:30am	<b>Conference Attendee Break</b>						
10:30am - 11:30am	<b>S10:</b> Achieving Order through CHAOS: The LLNL HPC Linux Cluster Experience <b>10:30am-11:15am</b> <b>S11:</b> Supercomputing Center Management Using AIRS <b>11:15am - 12:00pm</b>	<b>A8:</b> On the Reusability and Numeric Efficiency of C++ Packages in Scientific Computing <b>10:30am-11:15am</b> <b>A9:</b> Benchmarking I/O Solutions for Clusters <b>11:15am-12:00pm</b>	<b>C7:</b> Emerging Trends in Data Center Powering and Cooling	<b>B7:</b> Parallel Computational Biology Tools and Applications on a Dell Windows Cluster	<b>D7:</b> The Use of Clusters for Engineering Simulation	<b>P7:</b> Drilling in the Digital Oil Field: High Pay-offs from Linux Clusters	<b>E7:</b> Scrutinizing CFD Performance on Multiple Linux Cluster Architectures
11:30am - 1:15pm	<b>Visit Exhibits   Lunch</b>						
1:15pm - 2:15pm	<b>A10:</b> The Design, Implementation, and Evaluation of mpiBLAST		<b>C8:</b> The Virtual Environment and Its Impact on IT Infrastructure	<b>B8:</b> Building Software for High Performance Informatics and Chemistry	<b>D8:</b> NEESgrid: Virtual Collaboratory for Earthquake Engineering and Simulation		<b>E8:</b> Managing CAE Simulation Workload in Cluster Environments
2:30pm - 3:30pm	<b>Beowulf Reunion Tour</b>						