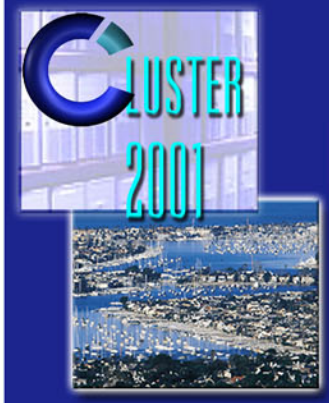

CALL FOR PARTICIPATION

IEEE International Conference on Cluster Computing

IEEE CLUSTER 2001

Sutton Place Hotel,
Newport Beach, California

http://www.cacr.caltech.edu/cluster2001/

October 8 - 11, 2001

The rapid emergence of Commodity Cluster Computing as a major strategy for delivering high performance to technical and commercial applications is driven by the superior cost effectiveness and flexibility achievable through integrated ensembles of PCs, workstations, and servers. Cluster computing, such as Beowulf class systems and SMP clusters, is redefining the manner in which parallel and distributed computing is being accomplished today, and is the focus of important research in hardware, software, and application development.

IEEE Cluster 2001 is the major forum this year to share research results and announce new developments by academic, industrial, and government contributors. The previous conference held in Chemnitz, Germany, attracted hundreds of participants from all over the world. Cluster 2001 merges five popular professional meetings, including the IWCC, PC-NOW, CCC, JPC4, and the German CC series into a single comprehensive international conference. Cluster 2001 will be held in the beautiful Pacific coastal city of Newport Beach in Southern California. One of the exciting evening events planned is a banquet on the Queen Mary in nearby Long Beach. Visit the Cluster 2001 web site for additional program, hotel, travel, and registration information.

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TOPICS OF INTEREST

- Hardware Technology for Clustering
- High-speed System Interconnects
- Light-weight Communication Protocols
- Fast Message Passing Libraries
- Single-system Image Services
- File Systems and Distributed RAID
- Cluster Security and Reliability
- Cluster Job and Resource Management
- Data Distribution and Load Balancing
- Tools for Managing Clusters
- Middleware, Groupware, and Infoware
- High-Availability Cluster Solutions
- Scientific and E-commerce Applications
- Performance and Benchmarking
- Clusters of Clusters and Grids
- Novel Cluster Systems Architectures
- Network-based Distributed Computing
- Mobile Agents and Java for Clusters
- Software Environments for Clusters
- Clusters for Bioinformatics

IMPORTANT DATES

- **Early Registration - August 31, 2001**
- **Pre-Conference Tutorials - October 8, 2001**
- **Conference Period - October 9-11, 2001**

EXHIBITS

For information on exhibiting at Cluster2001, please contact Kathya Zamora at:
Kathya.G.Zamora@jpl.nasa.gov

PROGRAM HIGHLIGHTS

Keynote Speakers
Steve Oberlin
Charles Seitz
Hans Zima

Featured Plenary Speakers
Jack Dongarra
Dan Reed
Rusty Lusk
Don Becker
Greg Pfister,
and many others

Panels
Hardware, Software, Applications

Session Topics
(46 contributed papers)
Algorithms
Alternative Hardware
Applications
Cluster Management
I/O
Networking
Middleware
Programming Models
Scheduling

Tutorials
Scyld Process Management, PVFS, MPI-2, Infiniband, Highly Available Clusters, Multi-Cluster Grid Computing

Posters Session

Vendor Exhibits

IEEE

TFCC IEEE Task Force on Cluster Computing

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