



SC2001 Booth Map

National Aeronautics and Space Administration

- A** • Adaptable Computing Cluster
 - Beowulf System Software
 - Problem Solving Environment Framework
 - Computational Mini-Grids
- B** Data Visualization with Haptic Feedback
Space Launch Initiative Advanced Engineering Environment (AEE)
- C** Data Mining on the Information Power Grid (IPG)

- D** DeBaKey Heart Assist Device
- E** • Mars Surveyor Landing Sites “Collaboratory”
 - Unsteady Turbopump for Reusable Launch Vehicle
- F** IP Multicast for Seamless Support of Remote Science
- G** • Transportable Earth Station (TES)
 - Project Integration Architecture (PIA)

- H** • Glenn Reconfigurable User-interface and Virtual reality Exploration (GRUVE)
 - ISS Environment Simulator: An Immersive Application
- I** • Debugging on the Information Power Grid (IPG)
 - Exploratory Computing Environments Component Framework
 - Control and Observation in Distributed Environments

- J** growler - A Component-Based Framework for Distributed/Collaborative Scientific Visualization and Computational Steering

- K** • OVERSET Computational Fluid Dynamics Tools
 - Parallel and Distributed CFD for Unsteady Flows with Moving Overset Grids

- L** • ILAB: Parameter Study Creation and Submission on the Information Power Grid (IPG)
 - NAS Grid Benchmarks

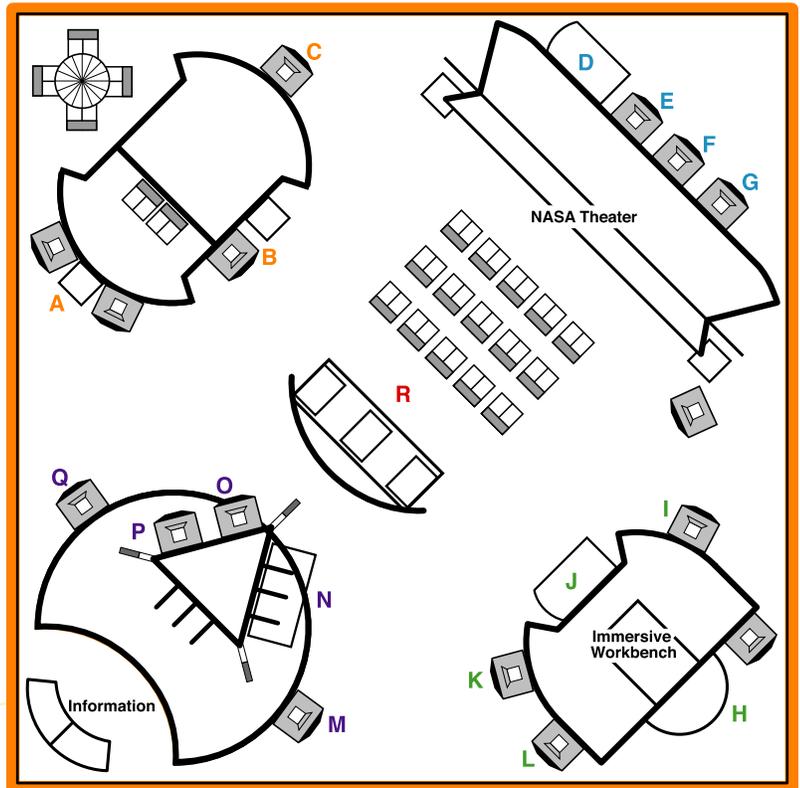
- M** qDoc: A Documentation and Presentation Tool

- N** Numerical Propulsion System Simulation (NPSS) Kiosk

- O** Aviation Safety Using Numerical Propulsion System Simulation (NPSS) on the Information Power Grid (IPG)

- P** Environment for Launch Vehicle Integrated Synthesis (ELVIS)

- Q** GLOBE Program: Multi-Agency International Educational Outreach



R NASA Theater – presented by: Panoram Technologies Inc.

Presentations:

- Mars Site Terrain Generation Using Supercomputing
- Mars Terrain Modeling and Rover Mission Simulation Using Supercomputing
- Supercomputing for the National Virtual Observatory
- Quantum Dot Modeling Using NEMO-3D
- IPG - A Large Scale Distributed Computing and Data Management System
- MLP Scaling on NASA's Origin 1024 CPU System
- SGI 1024 CPU Origin System
- NAS Grid Benchmarks
- growler - A Component-Based Framework for Distributed/Collaborative Scientific Visualization and Computational Steering
- HDTV Visualizations of Earth and Space Science
- Data Visualization with Haptic Feedback; Space Launch Initiative Advanced Engineering Environment (AEE)
- Glenn Research Center Video Stream

Videos:

- Journeys through Earth and Space
- Nanotechnology Video
- Powered-Lift Vehicle Simulation
- DeBaKey Heart Assist Device