Workshop on
Enabling Petascale Science and Engineering Applications
Atlanta, GA
Friday, December 9, 2005

Sponsored by:

8:00am-9:00am  Breakfast
9:00am-9:15am  Welcome from Georgia Tech and Co-organizing Universities
(Dean Richard DeMillo and Professor David Bader; Georgia Tech)
9:15am-9:45am  Welcome from ORNL and Review of Facilities
(Dr. Thomas Zacharia; ORNL)
9:45am-10:15am Quantum Chromodynamics
(Professor Steve Gottlieb; Indiana University)
10:15am-10:30am Break: Coffee and Snacks
10:30am  Astrophysics and Cosmology
(Professor John Hawley; University of Virginia)
11:00am  Climate, Environment and CFD
(Professor Bob Walko; Duke University)
11:30am  Materials/Chemistry
(Professor Uzi Landman; Georgia Tech)
12:00pm  Computational Biology
(Professor Harold Sheraga; Cornell University)
12:30pm  Lunch
1:30pm-1:45pm  Comments from the Benchmarking Team
(Jeff Vetter; ORNL)
1:45pm-3:00pm  Breakout Sessions:
(a) Climate, Environment and CFD
(Professor Adrian Sandu (Virginia Tech) and Dr. John Drake (ORNL), Co-Chairs)
(b) Materials/Chemistry
(Professor Jerry Bernholc (North Carolina State University) and Dr. Thomas Schulthess (ORNL), Co-Chairs)
(c) Computational Biology
(Professor Monty Pettitt (University of Houston) and Dr. Nagiza Samatova (ORNL), Co-Chairs)
3:00pm-3:15pm  Break: Coffee and Snacks
3:15pm-4:45pm  Summary Reports and General Discussion
4:45pm-5:00pm  Coffee and Snacks