Resources & Services

- Hardware has been ordered for the donated Blade cluster. Compute nodes will get 4 GB ram and a 160 GB ATA hard drive. The cluster distribution that will be used has not been decided upon, but it will most likely be ROCKS.

Research & Development

- The Docking@Home project currently has 194 alpha test volunteers and 567 computers systems signed up. The URL of the project can be found at http://docking.utep.edu. Ask Andre Kerstens for an account if you are interested in helping us test our application on the BOINC volunteer computing platform.
- Michela Taufer visited the 19th Rocky Mountain Regional Meeting of The American Chemical Society on October 15-18 2006 in Tucson, AZ. She gave a talk on: Predictor@Home: A Protein Structure Prediction Supercomputer Based on Volunteer Computing.
- Michela Taufer gave a talk at the University of Houston on: Moving Volunteer Computing Towards Data-Driven, Knowledge-ConstructedCapabilities on September 22 2006.
- IBM DeveloperWorks has published an article on Topaz: a gridftp extension for the Firefox browser: http://www-128.ibm.com/developerworks/grid/library/gr-firefoxftp/. The title of the article is: "Integrate GridFTP into Firefox/ - Build grid protocols into Mozilla-based tools". This is joint work of the Global Computing Lab (M. Taufer, R. Zamudio, and D. Catarino) with Karan Bhatia and Brent Stearn at SDSC.
- Paper accepted to the 2nd International Workshop on Grid Computing Environments (GCE 2006). The paper "Extending Grid Protocols onto the Desktop using the Mozilla Framework" has been accepted to the 2nd International Workshop on Grid Computing Environments (GCE 2006), in conjunction with SC 2006. Congratulations to Richard and Daniel who are authors of the paper together with me, Karan Bhatia (SDSC), and Brent Stearn (SDSC).
- New portal for the Working Group 5, which is part of the NIH/NSF MSM Consortium, now available at http://gcl.utep.edu/projects/msm/. The goal of the working group is to discuss aspects related to high-performance computing, computational issues, and algorithms that are common to our different projects funded within the Multiscale Modeling Initiative (http://www.nibib.nih.gov/Research/MultiScaleModeling). In October the working group hosted Kelly Gaither (TACC) in their monthly phone meeting to discuss about visualization and data analysis tools on TeraGrid.
- Pat Teller visited Oak Ridge National Laboratory - Oct. 5, 2006. Visited w.r.t. potential collaborations and presented a seminar with title: Towards Dynamic Adaptivity of Operating Systems

Education & Outreach
Richard Zamudio, David Flores, Karina Escapita, Daniel Catarino, and Abel Licon (all students working with Drs. Taufer and Teller on HPC research at UTEP) have been selected to participate in the SC2006 Student Volunteer Program. Besides serving as volunteer students at SC06, Karina, Daniel, Abel, David and Richard will attend interesting talks and help Drs. Teller, Taufer, and Andre Kerstens with the UTEP booth that for the third year presents the research in high performance computing at UTEP in the exhibition area of the conference.