

University of Alabama at Birmingham

- John-Paul Robinson
- <http://docs.uabgrid.uab.edu>
- Activities
 - Cheaha (128CPU), Cahaba (64CPU) new
 - Statistical Genetics with R, caBIG
 - Support growing on campus through staffing and collaboration
- Plans for April 1, 2008 - March 31, 2009
 - SURAGrid resource access via GridWay
 - Leveraging SURAGrid community to build campus grid community

University of Central Florida

-Institute for Simulation & Training-

- Primary Contact: Brian Goldiez, Ph.D. bgoldiez@ist.ucf.edu
- Org Web Sites; www.ist.ucf.edu, www.ucf.edu
 - Coming soon; URL for UCF HPC 'Stokes'
- Activities
 - IBM 1350 (192 Cores + Visualization Nodes)
 - Applications - Nano Structures, Quantum Chemistry, Coastal Modeling, Crowd Modeling, MMOG, Interactivity
 - Multiple Faculty, Post Docs, Students
 - Systems Administration & Research Support
- Plans for April 1, 2008 - March 31, 2009
 - Double System Capabilities
 - Develop Long Term HPC Infrastructure Strategy
 - Port Current HPC User Codes to 1350
 - Investigate Approaches to Facilitate Interactivity
 - Work with Simulation/Gaming Companies on Porting Strategies
 - Investigate Approaches for Interactivity

Georgia State University

- Art Vandenberg
- www.gsu.edu
- Activities
 - IBM System p5 (1.3TFlop); IBM Cluster 1350 (3 Tflop, new); ACSrocks (upgraded)
 - Applications
 - Virtual Parasite Project, Virginia Commonwealth University
 - CAM 3.0 climate modeling, University Delaware
 - Virtual Screening for Chemistry, Georgia State Chemistry
 - Tokamak Divertor Map, Hampton University
 - Provided Grid End User Certificates and support
 - Virginia Commonwealth University, University of Delaware, Hampton University...
 - SURAgriid Working Groups
 - Software Stack Team (Nicole); Accounting (Victor); SCOOP Applications Deployment (Nicole, Art)
 - SURAgriid Governance Committee
 - Spring and Fall SURAgriid All Hands meetings; SURAgriid BoF I2 Spring; SURA IT Committee Dec 2007
 - Grants
 - *Developing Regional Grid Technology Support for TATRC Programs, 4/2006- 5/2007*
 - Publications & PR
 - IBM Educause Sponsor booth, "Alliances for Research Computing," Oct 23-25, 2007 Seattle WA
 - SC07 IBM Booth, *Life sciences research enabled by IBM System p5, Tivoli Storage Manager and SURAgriid cyberinfrastructure*, Georgia State, VCU, LSU, Nov 12-15, 2007 Reno NV
 - Crane, G., Kaiser, H., Trauner, M., Vandenberg, A. and Yafchak, M., *Developing Regional Grid Technology Support for TATRC Programs*, Poster, MMVR15 Conf, Long Beach, CA, Feb 6-10, 2007
 - Nicole contributed to *Adding Computational Resources to SURAgriid* (Dec 2007-Feb 2008)
- Plans for April 1, 2008 - March 31, 2009
 - Georgia State researchers on SURAgriid - more usage; focus Molecular Dynamics & Health Grid
 - Continue SURAgriid resources: goal 90% uptime and 15% usage by SURAgriid
 - Continue Working Group and SURAgriid community involvement
 - SURAgriid Green initiative

University of Kentucky

- John Connolly(Voting Lead)/Vikram Gazula(Primary Contact)
- URL: www.ccs.uky.edu
- Current Activities
 - Resources: IBM hybrid (new- 16 TFlops)
 - Applications (Largest Teragrid Science Gateway)
 - Computational Chemistry Grid
- Plans for April 1, 2008 - March 31, 2009
 - Suragrid Integration

CCT/LSU

- Voting Lead/Primary Contact: Daniel S. Katz
- Website URLs:
 - <http://www.cct.lsu.edu/>
 - <http://www.hpc.lsu.edu/>
 - <http://www.loni.org/>
- Activities
 - Systems operation and user services
 - LSU: Tezpur (Linux, 1500 cores) & Pelican (AIX, Power5/5+, 384 procs)
 - LONI: Queen Bee (Linux, ~5500 cores, also 50% allocated through TeraGrid), 6 Linux systems (~500 cores), 5 AIX systems (~100 procs)
 - Applications (Areas of emphasis/new initiatives)
 - Coastal modeling, astrophysics, petro, chemistry, biology, material science and engineering, cultural computing
 - Computer science (Areas of emphasis/new initiatives)
 - Scheduling, data, visualization, petascale computing, systems, frameworks (Cactus), networking
 - Staffing: ~35 faculty, ~20 HPC staff, ~200 {faculty/staff/students}
 - Hiring: many faculty, some staff, good students



- Voting Lead: David McNabb
- Website URL: www.umd.edu
- Activities
 - Resources: exploring adding large Condor pool
 - Applications: campus researchers, many areas
 - Other: grid enabling for campus grid + SG
- Plans for April 1, 2008 - March 31, 2009
 - test stack install on OSX 10.4 and 10.5
 - test SG stack compatibility with campus grid
 - review documentation re above items

Old Dominion University

- Mike Sachon, msachon@odu.edu
- www.odu.edu
- Activities
 - Cluster upgraded to 18 AMD Opteron Processors
 - Existing App: BioSim - Whole-body Simulator
 - New App: Parallel Option Price Valuations
 - CAP(MPI-enabled apps); MardiGras'08
- Plans: Add GPU capabilities; Grid-enable more applications.

SFASU

- P. R. Blackwell
- www.sfasu.edu - www.crgsc.org
- Activities
 - Geospatial Data/Applications
 - REDDnet (Distributed Storage Initiative)
 - 6 - GIS, RS, Systems, Database, Programming
- Plans for April 1, 2008 - March 31, 2009
 - Further SURAGrid/REDDnet Collaboration
 - Understand SURAGrid Data Needs
 - Grid Enable Geospatial Applications
 - Expand interest at SFASU



TEXAS A&M
UNIVERSITY

- Steve Johnson - site contact, voting lead
- <http://isc.tamu.edu>
- Resources
 - Hydra: IBM p5/575+, 640 cores, 5TF
 - <http://sc.tamu.edu>
 - Calclab: Dell desktops, 429 cores, 3TF
 - <http://calclab.math.tamu.edu>
 - Tensor: Appro cluster, 256 cores, 0.7TF
 - <http://tensor.tamu.edu>
 - new cluster (Spring '08): 1000+ cores, 10TF
 - not yet committed to a grid



TEXAS A&M
UNIVERSITY

- SURAGrid participation
 - Accounting WG
 - SURAGrid/SCOOP deployment
 - Governance Committee
- 2008-2009 activities
 - Grid-enable applications: WRF, MrBayes, CMS
- TAMU Grid Personnel
 - Steve Johnson, *steve[A*T]math.tamu.edu*
 - New sysadmin 04/01/08
 - TIGRE developers

Texas Tech University

- Primary Contact - Philip Smith
- www.hpcc.ttu.edu
- Activities
 - Finished TIGRE Project
 - Exploring post TIGRE participation.
 - Drs. Alan Sill and Ravi Vaddappali are working on regional grids at TTU.
 - Integrating Campus grid TechGrid w/ TIGRE/SURAggrid.
- Plans for 2008: Have uniform AuthN/AuthZ between TIGRE and SURAggrid, at least between TTU and SURAggrid.

Adding Condor Pools using the One Button Install Instructions

- If you are installing the VDT server and you have an external Condor installation that you would like to use in place of the Condor that is installed with VDT you can specify it by setting two environment variables described below before installing the VDT.
- Doing so will produce the following effects:
- Condor will NOT be installed as part of VDT
- `$VDT_LOCATION/setup.[c]sh` will set `PATH`, `MANPATH`, `CONDOR_LOCATION`, `CONDOR_CONFIG` to point to the necessary locations in your external Condor installation
- Globus gatekeeper (`/etc/xinetd.d/globus-gatekeeper`) and Globus condor jobmanager (`$VDT_LOCATION/globus/lib/perl/Globus/GRAM/JobManager/condor.pm`) will be set up to submit jobs to your external Condor

Adding Condor Pools using the One Button Install Instructions

- Globus MDS reporter configuration (`$VDT_LOCATION/globus/etc/grid-info-resource-ldif.conf`) will be setup to report information about the external Condor.
- To specify an external Condor installation you need to set the following two environment variables before installing the VDT:
- **VDTSETUP_CONDOR_LOCATION**: the location of your Condor installation (e.g. `/opt/condor`). The Condor `bin/`, `sbin/`, `etc/`, `lib/...` directories should be directly under this location.
- **VDTSETUP_CONDOR_CONFIG** (optional): The location of your Condor configuration file (if non-standard). Default is `$VDTSETUP_CONDOR_LOCATION/etc/condor_config`.
- For example, if Condor is installed in `/usr/local/condor` and the `condor_config` file is in `/usr/local/etc` you could do:
- `setenv VDTSETUP_CONDOR_LOCATION /usr/local/condor`
`setenv VDTSETUP_CONDOR_CONFIG /usr/local/etc/condor_config`
`pacman -get VDT`

University of Virginia

- James Jokl - www.virginia.edu
- Activities
 - Maintained UVa SURA cluster, LDAP infrastructure, cross certification process, etc
 - Worked on system for implementation of higher LoA access to LDAP, foundation for SURAGrid CA
- Plans for April 1, 2008 - March 31, 2009
 - Plans to be tailored based on our Friday discussions