



Update – December 2007

NEWS

-- SURAGrid at SC07 --

SURAGrid was well represented across the conference exhibit floor. The SURA and SURAGrid institution staff presence in the IBM exhibit booth provided an opportunity to showcase SURAGrid and SCOOP at SC07.

At the IBM partner pedestals, GSU staff Art Vandenberg, Nicole Gieger, and Maryam Rahimian along with SURA staff Linda Akli, Sue Fratkin, Dali Wang, and Mary Fran Yafchak engaged attendees with their presentations and demos. Additional guest presentations were made at the IBM - SURAGrid pedestal by SURAGrid community members including:

- Renato Figueiredo of UFL on *Cyberinfrastructure Education and Hands-on Training Using the CH3D-GTM Virtual Appliance on SURAGrid*,
- Mahantesh M Halappanavar of ODU on the *Common Application Platform for SURAGrid*,
- John-Paul Robinson (UAB) on *GridWay Meta-scheduling for Globus*, and
- Ole Christian Weidner of LSU on *SAGA (Simple API for Grid Applications)*.

SCOOP was featured in an IBM Theater presentation and demo that showcased event-driven support for SCOOP model runs (specifically WW3) on the new IBM Power5 systems at SURAGrid sites GSU, LSU and TAMU.



Above - Phil Bogden prepares for his presentation and the crowd watches in awe.



Mary Fran Yafchak and Phil Bogden presenting with a live demo, "SURAGrid and SCOOP – Leveraging the SURA - IBM grid Computing Partnership to Advance the Science of Coastal Hazard Prediction"

Also in the IBM Theater, Art Vandenberg of GSU presented *Building Research Computing Infrastructure: Enterprise, Community and IBM Partnerships*; Maryam Rahimian of GSU presented *Molecular Dynamic Studies of DNA and Minor Groove Binder Drugs* of GSU; and Dr. Tarynn Whitten of VCU presented *Multi-scale Modeling of Parasite Dynamics: a Case Study in Chagas Disease and the Role of High Performance Computing*. All of the presentations in the IBM Theater were well attended and well received by the audience.



Gary Crane presenting (CI) at the LSU/CCT exhibit booth



SURAgriid Planning Meeting

Gary Crane presented *SURAgriid: Supporting Transformative Research through Community Cyberinfrastructure* at the RENCi and LSU/CCT booths. SURAgriid member institutions displayed the SURAgriid logo in their exhibit booths, and many offered SURAgriid handouts and SURA clips. SURAgriid documents were also available via IBM's e-docs distribution system. Overall, a significant amount of outreach, networking, and next generation SURAgriid brainstorming was conducted during SC07.

SC07 photographs were provided courtesy of Gabrielle Allen, LSU.

- - GSU IBM E1350 Goes Live and SURAgriid Grows - -

Georgia State University acquired an IBM Cluster 1350 as part of the expanded SURA-IBM Partnership. Installation and configuration was completed November 30, 2007 and 20% of the system will be made available to SURAgriid community by January 2008. The Georgia State IBM Cluster 1350 has 320 processors (40 Blades each with dual Intel® Xeon® Quad-Core processors) with 640 GB of total memory. The IBM Cluster 1350 configuration runs at approximately three teraflops, or three billion calculations per second

- - Dan Katz Recognized by the IEEE - -

Congratulations to Dan Katz, who was recently recognized by the IEEE Computer Society for his distinguished service to the Technical Committee on Scalable Computing and the IEEE community as a whole. Dan was one of ten recipients of this award, and he was cited for his outstanding and sustained services to the IEEE Computer Society's Technical Committee on Scalable Computing (TCSC) sponsored International Conference on Cluster Computing since its formation. Dan, Director for Cyberinfrastructure and User Services at LSU CCT, serves on the SURAgriid Governance Committee and is a long-time contributor SURAgriid.

UPCOMING Events

- - SURAgriid Spring All Hands Meeting - -

Hold the date! The SURAgriid Spring All Hands Meeting is scheduled for March 26th – 28th, 2008 at the SURA Offices in Washington, DC.

- - 15th Mardi Gras Conference Call for Posters - -

Researchers are invited to submit one page proposals for the poster presentations at the the 15th Mardi Gras Conference that will be held January 30th - February 2nd, 2008 in Baton Rouge, Louisiana. The one page poster presentation proposals are due December 15th. The poster session is an excellent opportunity for researchers to present their new, speculative or evolving ideas, which may not be ready for full publication, to a broader community. The forum will provide an informal and interactive setting where researchers can connect, create collaboration and stimulate alternative research questions. Student submissions are particularly encouraged. In collaboration with the conference, SURAgriid is hosting a Grid-Enabling Applications Workshop. For a more information on the workshop, conference

agenda and call for papers, please see Mardi Gras Conference 2008 website at <http://www.mardigrasconference.org/>.

-- Other upcoming meetings --

- Presentation proposals are due January 21, 2008 for the EDUCAUSE Southeast Regional Conference 2008 being held June 2–4, 2008 in Jacksonville, Florida. For more information, visit <http://www.educause.edu/serc08>.
- January 15 – 17, EDUCAUSE, Mid-Atlantic Regional Conference 2008, Baltimore, Maryland, <http://www.educause.edu/marc08>
- March 3 – 7, Open Science Grid Annual Meeting, RENCi, <http://indico.fnal.gov/conferenceDisplay.py?confId=1037>
- April 3 – 6, Association of Computer/Information Sciences and Engineering Departments at Minority Institutions (ADMI), Symposium on Computing at Minority Institutions, Virginia Beach, VA, <http://www.admi.us/>

All issues of SURGrid update can be found at http://sura.org/programs/sura_grid_communications.html.
Please submit comments and contributions for inclusion to Linda Akli at akli@sura.org.

