

Calendar/Meetings

September

25-29, [EGEE'06 Conference](#), Geneva, Switzerland

25-28, [Cluster 2006](#), Barcelona, Spain

28-29, [Grid 2006](#), Barcelona, Spain

October

1-2, [GridNets 2006](#), San Jose, CA

2-4, [NPC 2006: IFIP International Conference on Network and Parallel Computing](#), Tokyo, Japan

[Full Calendar](#)

Image of the Week



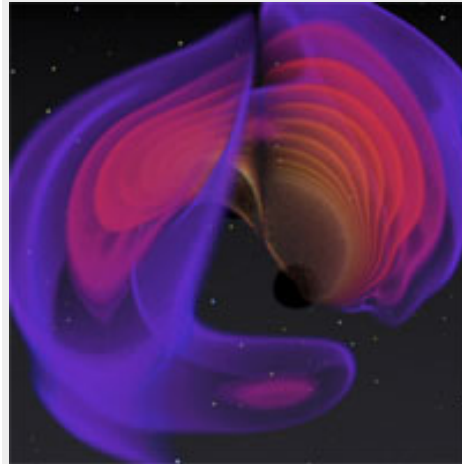
ISSGC06 group photo. (Click on image for larger version.)

Image Credit Alison McCall, NeSC

The [Fourth International Summer School on Grid Computing](#) took place July 9-21 in Ischia, Italy. Sixty-five students from 17 countries completed the intensive program, which incorporated more than seventy hours of lectures, including 47 presentations from 30 expert speakers. The students also performed hands-on exercises on a local testbed connected to

Feature Story

Astrophysics and Chemistry Applications Demo Network and Grid Interoperability



Visualization of black holes colliding as viewed during the demonstration.

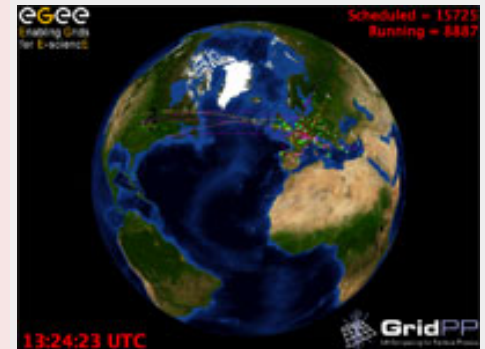
Earlier this month researchers in the U.S. and Japan turned to astrophysics and chemistry to demonstrate, for the first time, trans-Pacific network and grid computing interoperability.

At the Global Lambda Integrated Facility's Global LambdaGrid workshop in Tokyo, Japan, researchers from the Enlightened Computing and G-lambda projects demonstrated that scientific applications running in the United States and Japan could reserve, manage and monitor computing and network resources in both countries.

"The scale we're talking about is the largest yet for this type of demonstration," says Gigi Karmous-Edwards from MCNC and the Enlightened Computing project.

[Full article](#)

3D Grid Monitor Debuts at UK e-Science Meeting



Screenshot of the 3d Real Time Monitor. *Image Courtesy GridPP*

A popular grid monitor developed by the UK's GridPP project, the Real Time Monitor, has been given a makeover. Gidon Moont from Imperial College London has created a 3D upgrade for the monitor, which tracks sites participating in several grid computing projects, including EGEE and the LHC Computing Grid.

The new 3D system gathers information from resource brokers around the world, and uses images from NASA's Blue Marble Project to present a visualization of the grids at work.

The old Real Time Monitor was an applet with no zoom and therefore had little room to accommodate the increasing number of sites and geographical spread of grid users. Moont's new system includes a zoom and so has the advantage of being able to plot sites at accurate locations.

"On the old one you can't zoom, so you can't put all the London sites where they should be as they would always be on top of one another," he says. "This new one allows you to zoom, so even if they are on top of each other when looking at the whole globe, you can zoom in and look at each site individually."

[Full article](#)

international grid resources.

Grids in the News

'Grids' extend schools' processing power

eSchool News Online, September 20, 2006

Grid computing, in which computers are linked across a giant network like an electricity grid, has been used for years to scan radio signals from outer space for signs of extraterrestrial life, help mathematicians find the largest prime number, and so on.

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Office of Science/
U.S. DOE

Open Science Grid Receives \$30 Million to Empower Scientific Collaboration and Computation



Members of the OSG Consortium in August. *Image Courtesy OSG*

Open Science Grid Press Release, September 25, 2006

Scientists on the track to discovery got good news this month when a powerful computing tool received critical government funding. A five-year, \$30 million award to the Open Science Grid Consortium, announced by the National Science Foundation and the U.S. Department of Energy's Office of Science, will operate and expand the Open Science Grid, a computing environment used by scientists to harness computing resources and scientific data from around the world.

"The ability to reliably share and analyze petabytes of data is critical to scientific discovery. This investment in sustaining and extending the Open Science Grid is an important component of the petascale science infrastructure," said Michael Strayer, director of the Scientific Discovery through Advanced Computing program and associate director for Advanced Scientific Computing Research in DOE's Office of Science.

[Full text of press release](#)

World's Largest Scientific Grid Sustains a Million Jobs Per Month

CERN Press Release, September 25, 2006

A milestone for scientific grid computing was announced today at the launch of EGEE'06, a



major conference on scientific Grids hosted by CERN and held in Geneva this week. The Enabling Grids for E-science (EGEE) project maintains a global grid infrastructure that has been able to sustain more than 30,000 jobs a day—over a million per month—for a period of six months this year. These computing tasks were submitted by scientists from diverse fields of research, and range from simulations of molecular drug docking for neglected diseases to geophysical analysis of oil and gas fields. Clusters of hundreds and even thousands of PCs, in institutes and universities around the world, have been executing these calculations—in total over 25,000 central processor units (CPUs) are involved. Several million gigabytes of data storage in disk and tape facilities also contribute to make EGEE the world's largest scientific grid infrastructure.

[Full text of press release](#)