

FEBRUARY 8, 2006

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Calendar/Meetings

February

13-16, [GGF16: The 16th Global Grid Forum](#), Athens, Greece

13-17, [CHEP06: Computing in High Energy and Nuclear Physics](#), Mumbai, India

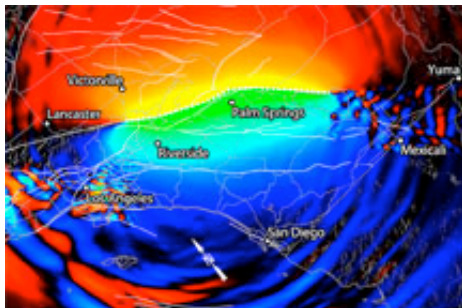
March

1-3, [First EGEE User Forum](#), CERN, Geneva, Switzerland

7-8, [Second CLEANER All-Hands Meeting](#), Arlington, Virginia

[Full Calendar](#)

Image of the Week



Simulation of magnitude 7.7 earthquake. (Click on image for larger version.)

*Simulation: SCEC scientists Kim Olsen, Steven Day, SDSU et al; Yifeng Cui et al, SDSC/UCSD
Visualization: Amit Chourasia, SDSC/UCSD*

This TeraShake 2 simulation, created by scientists at the Southern California Earthquake Center and the San Diego Supercomputer Center, simulated a magnitude 7.7 earthquake on the southern part of the San Andreas Fault. These simulations are the most realistic yet of where the most intense ground motion may occur in Southern California during such an earthquake.

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Statistic of the Week

230

The UK government has invested

Feature Story

MGRID's Evolution

This article is the second in a series about directions in campus grids.



The University of Michigan's campus grid and cyberinfrastructure project, MGRID, was founded in 2002 by a collaboration of researchers from bioinformatics, physics and high-performance computing. Over the next three years, the project set up a campus grid and cycle-sharing service and convened a group of programmers to solve core grid infrastructure problems. Since the formal end of the project in 2005, MGRID has served as a jumping-off point for university-wide collaborations in advanced networking and communications.

"MGRID was founded to research what it would take to pull a campus cyberinfrastructure together," said Tom Finholt, MGRID's director. "MGRID is now branching out into other forms. We're exploring the best ways to use advanced network technology and our 10-gigabit optical links to Chicago, such as high-definition videoconferencing."

MGRID's programmers researched several key areas of grid infrastructure, including portal development, scheduling, authorization and accounting and file systems. "We've been working on infrastructure that lets the normal person use grid computing," said Andy Adamson, associate director of UM's Center for Information Technology Integration.

[Full article](#)

Nordic Grid Cooperation Reaches New Levels



Announcement

Apply Now for the CERN Openlab Student Program



Openlab students and supervisors in the CERN Computer Center.

Image Courtesy CERN

CERN openlab is CERN's industrial partnership with leading IT companies to test and validate cutting edge hardware and software for the Grid. As part of this activity, a student program was initiated in 2003 that brings 15 top students to CERN for two months each summer to work in teams on advanced grid projects. Topics have included optimizing grid data distribution, monitoring the LCG service challenges, porting EGEE's gLite software to a 64-bit environment, developing and optimising an advanced cluster for the Grid and volunteer computing projects such as LHC@home.

To qualify for the CERN openlab student program, applications should be studying for a Bachelors, Masters or doctoral degree in computing or physics. All nationalities may apply, provided that the home institute supports the application and is prepared to share costs. Successful candidates will spend two months at CERN during the period from June to October of 2006. In addition to project work, students receive training in all aspects of grids from LCG, EGEE and CERN openlab staff and take part in study tours to regional IT centers of interest.

Candidates should send a CV and letter of support from a supervisor to Francois.Grey@cern.ch. The closing date for applications is March 31. Visit www.cern.ch/openlab for more details.

—Francois Grey, CERN

Grids in the News

Q&A: Dr Anne Trefethen, Director of the e-Science Core Programme
eGov Monitor, February 6, 2006

approximately £230 million in the UK e-Science Program since its beginning in April 2001. The majority of the funding has been for large-scale e-Science pilot projects that are discipline applications in areas ranging from particle physics and astronomy to engineering and healthcare.

Source: [eGov Monitor](#)

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Office of Science/
U.S. DOE

*A workshop session in Uppsala.
Image Courtesy Henrik Thostrup
Jensen, Aalborg University, Denmark*

The Fifth Nordic Grid Neighborhood Workshop marked a new level of grid cooperation among Nordic countries. For the first time in the project's history, the workshop was accompanied by several associated meetings that transformed the event into a weeklong Nordic Grid conference. The workshop took place January 16-20 at Uppsala University, Sweden, and brought together grid users, developers and service providers from Denmark, Estonia, Finland, Norway and Sweden.

"The most remarkable outcome of the workshop was that it showed that the Grid is decidedly becoming a fact of the everyday's researcher life in Nordic and Baltic countries," said Balazs Konya, NorduGrid's technical coordinator. "New grid infrastructure projects, such as Finland's M-Grid and the Baltic Grid, are already reporting impressive achievements and promise to offer valuable tools for scientific computing."

The first two days were allocated for the regular NorduGrid workshop, which was dedicated to preparations for the next stable release of the ARC middleware and reviews of new candidate components such as the Graphical User Interface and job management services.

[Full article](#)

Dr Anne Trefethen, Director of the e-Science Core Programme discusses the initiative with eGov monitor and its impact on science and innovation in the UK.

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Empowering e-Science across the Mediterranean

EUMEDGRID Press Release, February 6, 2006

Funded by European Commission, the EUMEDGRID project starts officially with a meeting located, both symbolically and geographically, at the heart of the Mediterranean.

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Open Science Grid Elects Management Team

Supercomputing Online, February 2, 2006

Members of the Open Science Grid Council announced today the election of the first OSG Executive Director and Council Chair, and the appointment of the first Executive Board, which will lead the operation and expansion of the Open Science Grid.

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Tech welcomes first deployment of 5 high-performance computers

Louisiana Tech News, February 1, 2006

Promising to propel academics and economics into their boldest partnership yet, the first Louisiana Optical Network Initiative "grid" computer was delivered to Louisiana Tech this week.

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