

Calendar/Meetings

MAY

22-25, [International Conference on Computational Science 2005](#), Atlanta, GA

23-27, [International ICFA Workshop on HEP Networking, Grid and Digital Divide Issues for Global e-Science](#), Daegu, Korea

24-26, [Second EGEE/LCG Grid Operations Workshop](#), Bologna, Italy

JUNE

1-2, [Open Science Grid Applications Workshop](#), SLAC, Menlo Park, CA

12-16, [11th Annual Meeting of the Organization for Human Brain Mapping](#), Toronto, Canada

[Full Calendar](#)

Image of the Week

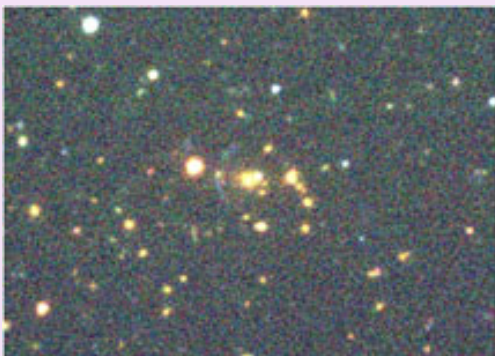


Image from Sloan Digital Sky Survey Southern Coadd project. (Click on image for larger version.)
Courtesy of SDSS

The [Sloan Digital Sky Survey](#) is an astronomical project that will systematically map one quarter of the entire sky. The Southern Coadd project

Feature Story

Computer Scientists, Geoscientists Meet in San Diego



Audience at the GEON Third Annual Meeting. Courtesy of GEON.

Integrating vastly different data sets, providing user-friendly access to them, visualizing complex systems and building a grid system for geoscience were the themes of the Geosciences Network Third Annual Meeting, held May 5-6 in San Diego and hosted by the San Diego Supercomputer Center, the University of California, San Diego.

"We had over 115 senior researchers and students attend from academia, government and industry—a good balance of computer scientists and geoscientists," said Dogan Seber, GEON project manager. "The focus was information technology and applications for geoscientists, bringing different groups together and exchanging information. We also reported on GEON's progress after two and a half years, and where we're going next."

GEON is a National Science Foundation-sponsored Information Technology Research project. Originally a collaboration of 11 institutions, representing information technology researchers and geoscientists from ten different specialties, GEON has expanded to include more academic institutions, businesses, agencies, and foreign affiliates.

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Open Science Grid Considers Essential Services for U.S. LHC Collaborators

The Large Hadron Collider at CERN in Geneva, Switzerland will start taking data in about two years. What services will the Open Science Grid need to

provide in order for U.S. particle physicists to make the most of the data from the LHC? This was the focus of the U.S. LHC OSG Technology Roadmap meeting, held May 4-5 at the University of Wisconsin, Madison.

"This was a very good meeting, where representatives from experiments and from technology providers sat down for detailed technical discussions," said CERN's James Casey, a member of the LCG grid deployment team. "We reported to members of the Open Science Grid the outcome to date of discussions between the LCG and the LHC experiments about the minimum core computing services they require."

The OSG will use the computing resources being assembled for the U.S. communities participating in the ATLAS and CMS experiments at the LHC as a backbone for a U.S. grid infrastructure. The OSG will bring together many different grid resources at labs and universities, to enable the use of common grid infrastructure and shared resources for the benefit of scientific applications in all fields. At the Roadmap meeting, the specifics of how LHC experiment applications will run in the OSG environment were discussed.



The Pyle Center at the University of Wisconsin.

combines multiple images of the same portion of the sky to detect faint and very distant objects.

[Learn more...](#)

Statistic of the Week

168,673

Number of users of the Berkeley Open Infrastructure for Network Computing on May 24, 2005. [BOINC](#), which has over 390,000 users registered in its database, allows participants to volunteer computing resources for scientific research projects such as SETI@home, LHC@home, Climateprediction.net, Einstein@home and Predictor@home.

Source: www.boincstats.com

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Office of Science/
U.S. DOE

Announcement

Apply by June 1 for 2005 GRID Summer Workshop



Participants in the 2004 GRID Summer Workshop.

Graduate and undergraduate students majoring in physics, mathematics, engineering, computer science and other sciences are invited to apply for the 2005 GRID Summer Workshop, to be held July 11-15 at the University of Texas facility on South Padre Island, Texas. The one-week workshop will cover grid computing and its application in scientific data analysis.

Participants will work with some of the world's leading experts in grid computing, through a blend of lectures, discussions and hands-on computing exercises completed on large-scale grid hardware and software resources. The workshop will introduce skills essential to conduct and support scientific analysis in the emerging grid computing environment. To make the most of the workshop, applicants should have at least intermediate programming skills and hands-on experience with UNIX or Linux.

The Workshop is sponsored by the National Science Foundation, the University of Texas at Brownsville, the Grid Physics Network, the international Virtual Data Grid Laboratory, and the GRIDS Center. The first Workshop, held in July 2004, included 36 students from 19 universities in the U.S., Canada, Mexico and Russia.

Scholarships are available for qualified applicants. For more information and to apply, please visit the [Workshop Web site](#).

[Read more...](#)

Grids in the News

CCGrid 2005 Recap: The Closest Thing to Being There

GRIDtoday, May 23, 2005

By Omer Rana

The 5th IEEE Symposium on Cluster Computing and the Grid (CCGrid 2005) was held in Cardiff, Wales.

[Read more...](#)

Making GRIDs easier to use

EUROPA Press Release, May 22, 2005

The more interactive European scientists become and the more sophisticated their disciplines become, the greater the need for more powerful means of computing and communicating.

[Read more...](#)

Particle smasher gets a super-brain

New Scientist, May 21, 2005

By Hazel Muir

SOMETIME in 2007, physicists are going to come closest to seeing what the universe was like a split-second after the big bang.

[Read more...](#)

Georgetown Network Links Cancer Studies

Washington Post, May 19, 2005

By Ellen McCarthy

Last month, the techies at Georgetown University embarked on a rather ambitious mission: curing cancer.

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