

## Calendar

**Friday, Oct. 3**  
**11 a.m. - 3:30 p.m.**

Computing Techniques Seminar - Racetrack (WH-7XO)  
 Speakers: Don Holmgren, et. al., Fermilab  
 Title: Nvidia Graphics Programming and Science Applications

**3:30 p.m.**  
 DIRECTOR'S COFFEE BREAK - 2nd Flr X-Over

**4 p.m.**

[Joint Experimental-Theoretical Physics Seminar](#) - One West  
 Speaker: Robert Bernstein, Fermilab  
 Title: A New Search for Charged Lepton Flavor Violation: Muon-Electron Conversion at Fermilab

**Saturday, Oct. 4**

**8 p.m.**

[Fermilab Arts Series](#) - Ramsey Auditorium  
 Title: [Aquila Theatre performing Shakespeare's "Comedy of Errors"](#)

Tickets: \$30/\$15

**Monday, Oct. 6**

**2:30 p.m.**

[Particle Astrophysics Seminar](#)  
 - Curia II  
 Speaker: Michael Ramsey-Musolf, University of Wisconsin  
 Title: Electroweak Baryogenesis, Electric Dipole Moments, and the LHC

**3:30 p.m.**

DIRECTOR'S COFFEE BREAK - 2nd Flr X-Over

**4 p.m.**

All Experimenters' Meeting - Curia II  
 Special Topics: CMS Installation and Commissioning; DZero Data Processing and Monte Carlo Simulation

[Click here](#) for NALCAL,

## Announcement

### Fermilab Grid Fest today



[Grid Fest will take place today](#)

Celebrate the launch of the LHC Computing Grid at Fermilab's Remote Operations Center today at 10:30 a.m. Experts will highlight the successes and challenges of the grid and its applications for other sciences. [More information](#)

## Announcement

### Join Fermilab's volunteer Prairie Seed Harvest Saturday



[Two volunteers collect seed from prairie plants within the Main Ring at the Prairie Seed Harvest on Nov. 3, 2007.](#)

On Oct. 4, from 10 a.m. to 2 p.m. you can take your green-thumb skills to a new level to help restore Fermilab's prairie by collecting native seeds. Some of the seeds replenish nature areas at the laboratory while others help build prairies at area schools. Enter at Pine Street and follow signs to the harvest. Wear field clothes and gloves. Bring hand clippers and paper bags. A picnic lunch will be provided. If

## Announcement

### Turn off computers tonight

Turn off computers before leaving tonight. A power outage will take place Monday, Oct. 6, and Friday, Oct. 10, from 7-7:25 a.m. in order to replace a 345,000-volt power line that feeds power to the master substation. All buildings and areas that the substation delivers power to, including Wilson Hall, the Lederman Science Center and the Accelerator Complex, will not have power during these two periods. This will not affect power to the Village.

## From iSGTW

### No excuse for under-utilization: Clemson back-fills with BOINC

Clemson University in South Carolina is helping to tackle climate change, muscular dystrophy, cancer and a host of other world problems. The university's School of Computing contributes the unused power of computers in instructional labs to the World Community Grid (WCG), a not-for-profit endeavor sponsored by IBM, which uses the BOINC grid platform.



[Clemson University students work on lab computers that contribute computing power to the World Community Grid. Image courtesy of Clemson University.](#)

Before arriving at Clemson, Sebastien Goasguen, assistant professor in the School of Computing, had deployed a campus Condor pool at Purdue University and configured it as an Open Science Grid (OSG) site. Finding about 1500 Windows machines at Clemson, he got the first such pool for Windows running in January 2007.

This pool represents a unique mix of cyberinfrastructure technologies that bring together three types of computing grids—campus (Clemson), national (OSG) and volunteer (BOINC).

"Few grid jobs are tailored for Windows machines. We're able to run some jobs for OSG's 'Engage' Virtual Organization (used by many non-physics research teams) and

[a weekly calendar with links to additional information.](#)

## Weather



Mostly sunny 60°/37°

## Extended Forecast

## Weather at Fermilab

## Current Security Status

## [Secon Level 3](#)

## Wilson Hall Cafe

### Friday, Oct. 3

- New England clam chowder
- Black & blue cheese burger
- Mardi Gras jambalaya
- Smart cuisine: Dijon meatballs over noodles
- Bistro chicken & provolone panini
- Assorted sliced pizza
- \*Carved top round of beef

*\*Carb restricted alternative*

## [Wilson Hall Cafe Menu](#)

## Chez Leon

### Wednesday, Oct. 8

#### Lunch

- Northern Italian lasagna
- Caesar salad
- Cassata

### Thursday, Oct. 9

#### Dinner

- Closed

## [Chez Leon Menu](#)

Call x4598 to make your reservation.

## Archives

## [Fermilab Today](#)

## [Result of the Week](#)

## [Safety Tip of the Week](#)

## [ILC NewsLine](#)

## Info

you bring a group, contact Roads and Grounds' Jeanette Olah at [olah@fnal.gov](mailto:olah@fnal.gov). For more information, contact the Office of Communication at (630) 840-3351. [More information](#)

## In the News

## Let the number-crunching begin: the Worldwide LHC Computing Grid celebrates first data

From *CERN press release, Oct. 3, 2008*

Today, three weeks after the first particle beams were injected into the Large Hadron Collider—the world's largest particle accelerator—the Worldwide LHC Computing Grid celebrates the start of its crucial data challenge: the analysis and management of more than 15 million Gigabytes of data every year, to be produced from the hundreds of millions of subatomic collisions expected inside the LHC every second. This data-handling feat marks an essential stage in the process of enabling researchers to discover new physics.

The Worldwide LHC Computing Grid combines the IT power of more than 140 computer centres, the result of collaboration between 33 countries\*.

"Our ability to manage data at this scale is the product of several years of intense testing," said Ian Bird, leader of the Worldwide LHC Computing Grid project. "Today's result demonstrates the excellent and successful collaboration we have enjoyed with countries all over the world. Without these international partnerships, such an achievement would be impossible."

"The Worldwide LHC Computing Grid is a vital pillar of the LHC project," said Jos Engelen, chief scientific officer for the LHC project. "It is an absolute necessity for analysis of the LHC data. It is the result of a 'silent revolution' in large scale computing over the last five years."

"We are very happy to see the completion of this very long and intense development phase", said Wolfgang von Rüden, head of CERN's IT department. "I would like to acknowledge the excellent contributions by so many people all over the world in helping to complete this work on time and within budget."

The Worldwide LHC Computing Grid relies on

NanoHUB," says Goasguen who heads up the team of students, professors and Clemson Computing and Information Technology staff. But Clemson's resources were still under-utilized, so his team set up Condor to back-fill with BOINC jobs from the WCG.

"We put in place a multi-tiered job pool guaranteeing that our grid is utilized fully. OSG VOs such as LIGO and the LHC experiments can use our grid in two ways: as "vanilla" OSG jobs and through their respective BOINC projects Einstein@home and LHC@home," he says. )

[Read more](#)

—*Susan Polowczuk, Clemson University; and Anne Heavey, iSGTW*

## Announcements

### [Have a safe day!](#)

### Photos wanted for labwide party

At the labwide party on Oct. 17, a slideshow on the video screen in the atrium will show images of people at Fermilab. We are looking for additional photos of you and your colleagues here at work--in your office or work area, at a department picnic, during lunch in the cafeteria, etc. Please e-mail your jpeg files to [lwp08@fnal.gov](mailto:lwp08@fnal.gov) by Friday, Oct. 10.

Depending on the number of photos we will receive, we might not be able to include every photo in the slideshow.

### Volunteers needed: Show your (artistic) muscles

The Fermilab Arts & Lecture Series needs some help for a couple of hours on Saturday, Oct. 4, at 9 a.m. to carry equipment and set up the stage for the Aquila Theatre's production of Shakespeare's "Comedy of Errors" in Ramsey Auditorium. Volunteers will receive two free tickets for Saturday evening's performance. We also need someone to help with costume changes backstage during the performance, which begins at 8 p.m. Email [mackay@fnal.gov](mailto:mackay@fnal.gov) as soon as possible if you would like to volunteer. For regular tickets, call 630-840-2787. [More information](#)

### George Winston piano concert coming

The Fermilab Arts Series presents George Winston at 3 p.m. Sunday, Oct. 19, in Ramsey Auditorium. Winston's solo piano concert features music from his melodic seasonal recordings, Vince Guaraldi's Peanuts pieces, New Orleans R & B piano, stride piano, and more, including pieces from his latest CD,

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dedicated optical fibre networks to distribute data from CERN\*\* to eleven major computer centres in Europe, North America and Asia. From these, data is dispatched to more than 140 centres around the world. Together, these distributed computers provide the power to manage the LHC's data.

[Read more](#)

"Gulf Coast Blues and Impressions: A Hurricane Relief Benefit." Tickets are \$25 for adults and \$13 for those 18 and younger. For reservations, call (630) 840-2787 weekdays from 9 a.m. to 4 p.m. For more information, see [www.fnal.gov/culture](http://www.fnal.gov/culture).

#### **Classifieds**

Find new [classified ads](#) on *Fermilab Today*.

#### **[Additional Activities](#)**