

## Calendar

### Friday, February 25

**3:30 p.m.** DIRECTOR'S COFFEE

BREAK - 2nd Flr X-Over

**4:00 p.m.** Joint Experimental Theoretical Physics Seminar - 1 West

Speaker: D. Litvintsev, Fermilab

Title: Status of Pentaquark Searches

### Monday, February 28

**2:30 p.m.** Particle Astrophysics Seminar - Curia II

Speaker: D. Eisenstein, University of Arizona

Title: Dark Energy and Cosmic Sound

**3:30 p.m.** DIRECTOR'S COFFEE

BREAK - 2nd Flr X-Over

**4:00 p.m.** All Experimenters' Meeting - Curia II

Special Topic: SMTF on the Ground

## Weather



Chance Flurries **40%/20°**

[Extended Forecast](#)

[Weather at Fermilab](#)

## Current Security Status

[Secou Level 3](#)

## Wilson Hall Cafe

## Tevatron Achieves New Record Luminosity

Yesterday accelerator operators achieved a record peak luminosity of  $107.4 \text{ E}30 \text{ cm}^{-2} \text{ sec}^{-1}$ . The last record of  $105 \text{ E}30 \text{ cm}^{-2} \text{ sec}^{-1}$  was set on January 17.

## Fermilab's John Bardeen Engineering Fellowship Now Accepting Applications



The newly established [John Bardeen Engineering Fellowship](#) at Fermilab is now accepting applications. The fellowship is designed to provide entry-level opportunities for outstanding engineering graduates who are interested in working in a cutting edge research environment. Radio frequency systems, superconducting magnets, mechanical systems are but a few of the opportunities Fermilab provides for engineering fellows.

After noticing a decline in recruitment of new engineering graduates at Fermilab, Ralph Pasquinelli, an engineer in the Accelerator Division, worked with the Director's office to establish the fellowship. "The lab has always had programs for physicists such as the Wilson, Lederman, and Peoples Fellowships, but there has never been a program that routinely recruits engineers,"

## FESS Operations Increases Luminosity

More and more occupants of Wilson Hall recently reported that they were working in the dark. While some professed this a natural state, FESS Operations realized that there was a less esoteric reason for the fading of the light. It was time for Wilson Hall to have its regular three-year re-lamp.

With over 10,000 light fixtures in the building, this was no small undertaking. Why not just change the bulbs as they burn out? "Changing the lights as they

burn out eventually becomes a diminishing return," said FESS/Ops Electrical Supervisor Rich Bergquist. "Even the remaining lamps have lost luminosity, and there comes a point when it is more economical to re-lamp the entire building."



FESS/Ops uses a standard florescent 32-watt bulb that has a life expectancy of 20,000 hours. As the bulbs reach the end of their life, they begin to fail at a rate that makes it more economical to change all of them out at once. FESS/Ops started re-lamping Wilson Hall in November 2004 and just finished in January 2005. Some of the work was done in off-hours to minimize disruption, but most of the work was done during normal working hours. FESS/Ops appreciates everyone's patience and understanding when the "Bringers of the Light" came calling.

## Friday, February 25

New England Clam Chowder

Western BBQ Burger \$4.75

Tuna Tetrazzini \$3.75

Meatballs Teriyaki over Rice \$3.75

Bistro Chicken & Provolone Panini \$4.75

Assorted Personal Size Pizzas \$3.25

Carved Top Round of Beef \$4.75

The Wilson Hall Cafe now accepts Visa, Master Card, Discover and American Express at Cash Register #1.

[Wilson Hall Cafe Menu](#)

[Chez Leon](#) will reopen starting

Wednesday, March 2. Call x4512 to make your reservation.

## Search

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Pasquinelli said. "Engineers are vital to the laboratory. We need a fellowship that guarantees we will have a steady stream of young top-notch engineers at Fermilab."

Applicants must be recipients of a Masters or PhD in engineering and should rank in the top quarter of their graduating class. A thesis consisting of an independent study must have been a significant part of the graduate degree, and candidates must apply within one year of graduation. More information about the fellowship, including a complete description of application requirements and a promotional video produced by Visual Media Services is available online.

## E-Week Today: Grids for Engineers



Ruth Pordes of the Computing Division talks about "The Grid for Engineers" at yesterday's E-Week presentation. (Click on image for larger version.)

Today is your last chance to contribute to the Food Drive to benefit The Batavia Interfaith Food Pantry being held in conjunction with E-week. Collection boxes are on WH 5E at the elevator and at the Comitium today. Any monetary contributions can be given to Connie Crome, WH 5E, MS 214. All monetary donations are tax-deductible and you will receive a receipt.

The E-Week Finale Luncheon will also be

## In the News

### From the *Interactions News Wire*, February 24, 2005

#### House Speaker Hastert to Launch Neutrino Experiment at Fermilab, Friday, March 4

BATAVIA, Ill.-Speaker of the House J. Dennis Hastert Jr., of the Illinois 14th Congressional District, will officially launch the MINOS neutrino experiment during dedication ceremonies at the Department of Energy's Fermi National Accelerator Laboratory on Friday, March 4, 2005.

The dedication will take place at 2:30 p.m. in Wilson Hall's Ramsey Auditorium.

[read more](#)

## Announcements

### Housing Assignments - Summer 2005

The March 1 deadline is quickly approaching for requests for on-site housing (houses, apartments, and dormitory rooms) for the summer of 2005. Requests can be made for any period and need not commence on any particular date. For reservations, please contact the Housing Office at (630) 840-3777 or [housing@fnal.gov](mailto:housing@fnal.gov). You may also use our [Online Housing Request form](#). (Requests for multiple housing units are best handled by direct email to [housing@fnal.gov](mailto:housing@fnal.gov))

### URA Scholarship Applications Now Available

Applications are available online. The deadline to apply is March 1. Scholarships will be awarded in early April. URA Scholarships are awarded on the basis of SAT scores to children of regular, full-time Fermilab employees.

held today at 11:30 a.m. on the 2nd floor crossover (reservations and a \$5 payment were required last Wednesday). If you didn't have a chance to make a reservation, bring your own lunch. The featured presentation by Elaine McCluskey will be "Engineers at NuMI: How Engineers Helped Make the NuMI Project."

[more information](#)

Questions about the program may be directed to Jeannelle Smith of Human Resources, x4367.

[more information](#)

### **New Classifieds Posted on Fermilab Today**

New [classified ads](#) have been posted on Fermilab Today. A permanent link to the classifieds is located in the bottom left corner of *Fermilab Today*.

### **Brian Greene Book Signing in Naperville**

On Tuesday, March 1, Brian Greene will present his latest title, "The Fabric of the Cosmos" at a special event at North Central College in Naperville. Fermilab's Scott Dodelson will moderate this free event, but reservations are required. Please call Anderson's Bookshop (630-355-2665) to make a reservation.

[Upcoming Activities](#)