

Calendar

Wednesday, April 27

THERE WILL BE NO Fermilab ILC R&D Meeting THIS WEEK

2:00 p.m. Proton Driver General Meeting - 1 West

Speaker: W. Winter, Institute for Advanced Study

Title: Neutrino Oscillations

Speaker: W. Chou, Fermilab

Title: H-Transport and Injection

3:30 p.m. DIRECTOR'S COFFEE

BREAK - 2nd Flr X-Over

4:00 p.m. Fermilab Colloquium - 1 West

Speaker: D. DeVorkin, Smithsonian Institution National Air and Space Museum

Title: Presenting Cosmology and its History at The National Air and Space Museum

Thursday, April 28

THERE WILL BE NO Theoretical Physics Seminar THIS WEEK

2:30 p.m. Special Fermilab Colloquium

(NOTE DATE and TIME) - 1 West

Speaker: C. Llewellyn Smith, UKAEA, Culham

Title: The Fast Track to Fusion Power

3:30 p.m. DIRECTOR'S COFFEE

BREAK - 2nd Flr X-Over

THERE WILL BE NO ACCELERATOR PHYSICS AND TECHNOLOGY SEMINAR TODAY

Weather

Joanna Livengood Appointed Fermi Site Manager for the DOE's Office of Science

On April 17, Office of Science Director Raymond Orbach announced the appointment of Joanna Livengood to the position of Fermi Site Manager for the Office of Science. Livengood, who replaces former Fermi Site Manager Jane Monhart, has been the acting site manager since January 3.

As Fermi Site Manager, Livengood's goal is to create a seamless bridge between the Office of Science, the Fermi Site Office and Fermilab. "I think that

the partnering that goes on between the lab and the DOE works very well," she said. Livengood is also very proud of Fermilab's outstanding safety record. "Safety is a priority for me," she said. "The lab has done a tremendous job with safety, and I want to see that continue."

Livengood began her Department of Energy career 21 years ago as a Research Engineer at the Pittsburgh Energy Technology Center in 1984. In that position, she spent 11 years conducting research on advanced post-combustion air pollution control technologies for coal-fired boiler systems. Livengood received her Ph.D. in chemical engineering from Carnegie Mellon in 1991. In 1995, Livengood became a



Fermi Site Manager
Joanna Livengood

MiniBooNE Celebrates 5E20 Protons Delivered To Target



Dave Finley (left), Janet Conrad (middle) and Fermi Site Manager Joanna Livengood (right) admire the cakes at the 5E20 celebration last week. (Click on image for larger version.)

Last Thursday, April 21, the MiniBooNE experiment celebrated a significant milestone. As of April 3 the experiment received 5E20 protons. (To put this number in perspective, 5E20 corresponds to roughly 1,000 times the number of seconds since the Big Bang, or 1,000 times less than the number of atoms in one gram of hydrogen.) Over 200 people, who were instrumental in the success of MiniBooNE, attended the event. Co-spokespeople Janet Conrad, of Columbia University, and Bill Louis, of Los Alamos National Laboratory, spoke at the celebration, praising the hard work and dedication of all who made the accomplishment possible.

"We would like to thank all of the members of MiniBooNE and Fermilab, especially the Booster group, for the time and effort spent on these accomplishments," said Louis. Recent advances in Booster performance, made the achievement of 5E20 protons possible. Handling that much beam was only a dream when engineers and physicists originally designed the Booster



Chance Rain **54°/36°**

[Extended Forecast](#)

[Weather at Fermilab](#)

Current Security Status

[Secou Level 3](#)

Wilson Hall Cafe

Wednesday, April 27

Vegetable Beef soup

Quarter Pound Hot Dog in a Soft Pretzel Roll \$4.75

Turkey a la King over Biscuit \$3.75

Country Fried Steak with Pepper Gravy \$3.75

Beef & Cheddar Panini w. Sauteed Onions \$4.75

Assorted Personal Sized Pizzas \$3.25

Cavatappi Pasta with Italian Sausage & Tomato Ragu \$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](#) is now open. Call x4512 to make your reservation.

Search

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Info

project manager directing Clean Coal Technology demonstration projects, providing support to the Department's International Program, and managing environmental waste management projects.

Livengood joined the DOE's Chicago Office in 1997 to lead a team of project managers, implementing advanced technology research and development programs in electric transmission, distribution, power generation, and the industrial, transportation, and building sectors. Livengood considers her recent participation as a candidate in the DOE SES Candidate Development Program to be one of her major accomplishments. "It was quite an honor because it is a highly selective program," she said. "It was a great growing experience, and I think that it was great preparation for my current position."

"Receiving this appointment was a real 'pinch me' experience," Livengood said. "I remember the first time that I visited Fermilab when I was a college student working at Argonne. I never imagined that 28 years later I would come back with a leadership position. I'm extremely honored and pleased. Fermilab is a great place to be."

- *Elizabeth Clements*

in the late 1960's. "The people working on the Booster have had some severe challenges pushing that much beam through such a small space," said Louis. The Booster has now delivered more protons to MiniBooNE than to any other experiment at Fermilab.

In addition to the 5E20 accomplishment, MiniBooNE will soon have other reasons to celebrate, having now recorded over a half-million neutrino events. An announcement on the collaboration's search for sterile neutrinos is expected to be made in the fall.

- *Eric Bland*

Announcements

Deadline to Apply for the Voluntary Separation Program This Friday

This is a reminder that Friday is the last day to apply for the Voluntary Separation Program. You must turn your application in by 5:00 p.m. April 29 to Kay Van Vreede, Wilson Hall, 15th Floor. There are still packets of information available on the 15th floor or go online for [information and necessary forms](#).

Administrative Professionals Day

Fermilab will celebrate the contributions of its administrative professionals on Wednesday, April 27, in Ramsey Auditorium. Hunter Lott, Business Coach and Speaker, will present "One + One = Three." A Continental breakfast will be served at 9:30 a.m. and the program will start at 10:00 a.m. All administrative and clerical employees are invited to attend.

Subscribe to Science Grid This Week

Science Grid This Week, an enewsletter from the U.S. science grid community, will launch this Thursday, April 28. To

Fermilab Today is online at:

<http://www.fnal.gov/today/>

Send comments and suggestions to

today@fnal.gov

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Nelson Chester Retires Tomorrow

Nelson Chester, a 15-year veteran of Fermilab's Technical Division, will retire Thursday, April 28. Chester came to the lab in 1990 after a variety

of design engineering

jobs for companies

such as Black and

Decker and

Milwaukee Electric

Tool Co. He came to

Fermilab to lead the

IB2 conventional magnetic development for the Main Injector. Since that time, he

has also worked on LHC Muon Chambers

and helped to guide the physicists and

engineers, who will test and install the

devices at CERN.

A New Jersey native, Chester loved the changing nature of his job and working locally and internationally with people who embodied the collaborative spirit. "I will miss the research, the new designs and technologies, and all of the people," said Chester. He will spend his retirement doing volunteer work for his wife's speech and physical therapy clinic and dabbling in real estate ventures. "I'll always be working," said Chester with a laugh.

- Eric Bland



Nelson Chester

In the News

From *The New York Times*, April 26, 2005

Tiny, Plentiful and Really Hard to Catch

by Kenneth Chang

An hour north of Duluth, Minn., and a half-mile down, the dim tunnels of the Soudan mine open up to a bright, comfortably warm cavern roughly the size of a gymnasium, 45 feet high, 50 feet wide,

subscribe, contact [Katie Yurkewicz](#).

Unix Users Meeting

The next Unix Users Meeting will be on Wednesday, April 27 in Curia II from 1:00 p.m. to 3:00 p.m.

Agenda:

- Linux Update
- SL generic release
- Security news

Thursday Lunchtime Cleanup Tomorrow

The first Thursday Lunchtime Cleanup of the season will be tomorrow, April 28, from 11:45 a.m. to 1:30 p.m.

Transportation to the clean-up site will be available outside the east ground floor entrance of Wilson Hall. Cleaning gear will be provided, and hot dogs and refreshments will be served. Call Bob Lootens at x3303 for more information.

Spring Book Fair - April 27-28

Fermilab Recreation will sponsor the Spring Book Fair, hosted by Books are Fun, in the Atrium on Wednesday, April 27 from 10:00 AM until 6:00 PM and on Thursday, April 28 from 7:00 AM until 3:00 PM. A portion of the proceeds from the Book Fair subsidizes some of our Recreation Programs.

DASTOW Scheduled for June 23

This year, DASTOW will take place on June 23. More information about the day's activities will be coming soon in *Fermilab Today*.

International Folk Dancing

International Folk Dancing will meet Thursday, April 28, at Kuhn Barn on the Fermilab site. Dancing begins at 7:30 p.m. with teaching earlier in the evening and request dancing later on. Newcomers

270 feet long.

[read more](#)

SDSS Press Release, April 26, 2005

SDSS uses 200,000 quasars to confirm Einstein's prediction of cosmic magnification

Applying cutting edge computer science to a wealth of new astronomical data, researchers from the Sloan Digital Sky Survey (SDSS) reported today the first robust detection of cosmic magnification on large scales, a prediction of Einstein's General Theory of Relativity applied to the distribution of galaxies, dark matter, and distant quasars.

[read more](#)

are welcome and you do not need to come with a partner. A workshop with Bulgarian Daniela Ivanova, and live accordion music by Angel Nazlamov is planned for May 12. Info at 630-584-0825 or 630-840-8194 or folkdance@fnal.gov.

[Upcoming Activities](#)