

Calendar

Wednesday, May 17

11:00 a.m. Fermilab ILC R&D Meeting - Curia II (note location)

Speaker: M. Foley, Fermilab

Title: Cavity Fabrication

Speaker: A. Rowe, Fermilab

Title: Buffered Chemical Processing of SRF Cavities at Fermilab

3:30 p.m. DIRECTOR'S COFFEE

BREAK - 2nd Flr X-Over

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

Speaker: M. Baden, MD

Title: How Long has Grandpa Been Dead and Other Forensic Mysteries

Thursday, May 18

2:30 p.m. Theoretical Physics Seminar - Curia II

Speaker: M. Stephanov, University of Illinois, Chicago

Title: AdS/QCD

3:30 p.m. DIRECTOR'S COFFEE

BREAK - 2nd Flr X-Over

4:00 p.m. Accelerator Physics and Technology Seminar - 1 West

Speaker: D. Moehs, Fermilab

Title: Ion Source Choices, an H-Source for the High Intensity Neutrino Source

[Click here](#) for links to descriptions of each event.

Weather



T-Storms likely **71°/45°**

[Extended Forecast](#)

[Weather at Fermilab](#)

Current Security Status

Denisov sees opportunities as DZero spokesperson



Dmitri Denisov (above) will take over for Jerry Blazey, who has completed a successful four-year term as spokesperson. (Click image for larger version.)

Dmitri Denisov believes that now is a great moment for the DZero experiment. "I think enthusiastic, talented physicists should be attracted to DZero at this time, because they can get started on physics right away here," he said. Denisov should know. Recently elected DZero spokesperson, he has spent most of his life as a physicist on the experiment. Denisov received his BS in physics from Moscow Physical Technical Institute in Russia, and his PhD at the Institute for High Energy Physics in Protvino. He began working at DZero as a graduate student during Run I construction, and has since been leader of the DZero muon group, run coordinator, co-convenor of the DZero electroweak physics group, Deputy Chair of the Institutional Board and co-author of a number of DZero results, among other things. Denisov will assume his new role late this summer, when current spokesperson Jerry Blazey steps down, and will serve alongside continuing spokesperson Terry Wyatt.

Zebra mussels flushed



When a zebra mussel dies, its shells remain attached to the pipes by strong "byssal threads," which can only be detached by a combination of flushing and time. *Photo by Simon van Mechelen, University of Amsterdam, 1990.*

It has been one week since the zebra mussels that had taken over Fermilab's water cooling system were treated with EVAC. Now maintenance personnel are flushing the pipes to clear out the dead mussels. But fish have also been affected by the slimy substance designed to coat the mussels' gills. "The fact that we had some fish killed was not completely unexpected, but we tried to minimize it as much as possible," said Eric Mieland of Fermilab's Environmental Protection Group. FESS received permission to treat for zebra mussels using EVAC from the Illinois Environmental Protection Agency.

Roads and Grounds has collected approximately 250 dead fish from Bullrush Pond, and some dead fish were found at the Proton Return Ditch, said FESS Environmental Officer Rod Walton. More fish can be killed during a typical winter freeze, or during hot summers when high water temperatures decrease

[Secou Level 3](#)**Wilson Hall Cafe****Wednesday, May 17**

- Portabello Harvest Grain
- Santa Fe Chicken Quesadilla
- Diner Style Patty Melt
- Chicken a la Mer
- Stuffed Cabbage
- Greek Chicken Panini with Feta Cheese
- Sicilian Style Pizza

The Wilson Hall Cafe accepts Visa, Master Card, Discover and American Express.

[Wilson Hall Cafe Menu](#)

Chez Leon**Wednesday, May 17****Lunch**

- Antipasto Salad
- Apricot Mousse with Butter Cookies

Thursday, May 18**Dinner**

- Fresh Mozzarella & Tomato Salad
- Garlic Shrimp w/Red Peppers & Wild Mushrooms
- Lemongrass Rice
- Brandi Flan

[Chez Leon Menu](#)

Call x4598 to make your reservation.

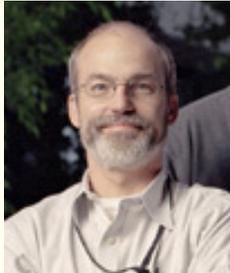
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Info

"I have gone from being a grad student, to a post-doc, to a senior collaborator. I've tried just about every role possible here," said Denisov. Such varied experience should give Denisov a major advantage as spokesperson.

According to four-year veteran Blazezy, being a DZero spokesperson requires strategic planning and coordination between all the



[Jerry Blazezy](#)

different groups and people involved in the experiment. "'Spokesperson' is probably a bit of a misnomer," he said. "Some of the job is public relations, but much of the work is project planning and managing. You have to decide what your physics goals are for the next year or two, and make sure that you have the computers, software, and personnel resources in place--then you have to go out and recruit."

Denisov imagines that recruiting will be one of his biggest challenges as DZero moves into the LHC era. "With the LHC starting up, we expect a considerable decrease in manpower devoted to DZero in the next 2 to 3 years. We have to plan for that now." Denisov noted recent DZero discoveries such as the first measurement of B_s oscillations and remarked on the potential for even greater discovery within the one inverse femtobarn of data to be sifted through and analyzed. "There is so much potential," he said. "I plan to advertise that during my term."

--Siri Steiner

the amount of oxygen in the ponds. Still, FESS hopes to reduce the effects of EVAC on the fish the next time the zebra mussels get out of hand. "This was our trial - we were observing how the flows work. We now know where the trouble spots are and have a better idea of how to balance the flow and distribute the EVAC more evenly," said FESS Engineer Anne Lucietto. Nalco, the manufacturer of EVAC, has assured Fermilab that eating fish caught from affected ponds is safe for humans and wildlife, Lucietto said.

Maintenance personnel will continue to flush out the pipes until the end of the month, when startup of the Tevatron begins. The dead mussels will be piled near the sites where they were retrieved, so that engineers can track how extensively each part of the system was infested with the mussels before they are picked up by Roads and Grounds. If you come across a pile of the rotting mussels, Lucietto says, "don't mess with them. If you do, you'll get a noseful."

--Jennifer Lauren Lee

Le Vent du Nord, June 10

Le Vent du Nord is Bnoit Bourque, Nicolas Boulerice, Oliver Demers and Simon Beaudry.

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Milestones



10 Year Service Awards, May 13

luncheon: Row 1 - V. Prokofiev, Q. Healey, W. Griffing, D. Chen, C. M. Lei, B. Chrisman (Directorate). (Click on image for larger version.)



20 Year Service Awards, May 13

luncheon: Row 1 - James Morgan, Elliott McCrory, Bruce Chrisman (Directorate). (Click on image for larger version.)



Le Vent du Nord is a group of four musicians who alternately use "diatonic accordion, bones, mandolin, jaw harp, step dance, hurdy gurdy, piano, piano-accoridan, bodhran, guitar and vocals" to belt out traditional French folk songs. Du Nord's lively performances have scored rave reviews, and their albums have won international awards, such as the 2004 JUNO Award for Roots and Traditional Album of the Year. "One can easily imagine a French drinking party of the 15th century belting out the same refrains," wrote reviewer Christopher Hyde in the *Portland Press Herald*.

You can see Le Vent du Nord Saturday, June 10 at 8 p.m. in the Ramsey Auditorium. Tickets and more information can be found [here](#).

--Siri Steiner

Announcements

Power Outage

On Saturday, May 20, there will be a major power outage in Wilson Hall from 7:00 a.m. to 5:00 p.m. Please plan accordingly.

Health and Fitness Day today

This year's event is from 11:30 a.m. to 1:30 p.m. on Ring Road. Participants may sign in, pick up a game ticket and grab a bottle of water at A1, then walk, run, rollerblade, or bike around the ring.

Batavia Road entrance closed to cars and bicycles

The Batavia Road entrance is closed for renovation now through Monday, May 22 at 4:00 p.m. During this time, the City of Warrenville will also be repaving roadways and carrying out other construction work along Batavia Road. Delays are expected to continue until

25 Year Service Awards, May 13

luncheon: Row 1 - J. Cardona, K. Sievert, D. Tinsley, D. Hellberg, B. Chrisman (Directorate). Row 2 - T. Morrison, B. Vollmer, L. Nelson, D. Finley (Click on image for larger version.)

In the News**Spaceref.com, May 15, 2006: Ruler to Measure Universe - Biggest Ever 3-D Map**

A team of astronomers led by Nikhil Padmanabhan and David Schlegel has published the largest three-dimensional map of the universe ever constructed, a wedge-shaped slice of the cosmos that spans a tenth of the northern sky, encompasses 600,000 uniquely luminous red galaxies, and extends 5.6 billion light-years deep into space, equivalent to 40 percent of the way back in time to the Big Bang.

Schlegel is a Divisional Fellow in the Physics Division of Lawrence Berkeley National Laboratory, and Padmanabhan will join the Lab's Physics Division as a Chamberlain Fellow and Hubble Fellow in September; presently he is at Princeton University. They and their coauthors are members of the Sloan Digital Sky Survey (SDSS), and have previously produced smaller 3-D maps by using the SDSS telescope in New Mexico to painstakingly collect the spectra of individual galaxies and calculate their distances by measuring their redshifts.

[Read More](#)

early June, even after the entrance re-opens. Drivers and bicyclists should use Pine and Wilson Street entrances until the work is completed. Pine Street entrance hours are 6:00 a.m. to 8:00 p.m. for the general public and 24 hours a day, 7 days a week for employees. The Wilson Road entrance hours are 6:00 a.m. to 6:00 p.m., Monday through Friday. For more information, contact Tom Prosapio at prosapio@fnal.gov

2006 Fermilab Recreation Annual Summer Picnic and Cougar Game

Join us under the tent at the Kane County Cougar Stadium for a picnic and baseball game, complete with fireworks and skydivers, on Saturday, July 15. This event is open to Fermilab employees, visiting researchers, retirees, on-site contractors and their immediate families and friends (must be accompanied by someone working at Fermilab). The picnic will begin at 4:00 pm under the Fermilab tent and run until 6:00 pm. The game begins at 6:00 pm. The original discounted price was \$28.29, but costs will be subsidized by proceeds from the Book Fair, so you'll pay much less. The cost for the whole event is now only \$14.00 per person, which includes a game ticket and all-you-can-eat buffet including beer and wine (cash bar for all other drinks). Registration forms can be found in the Recreation Office or [on the website](#). Deadline for registration is Friday, June 2. Tickets are limited.

[Upcoming Activities](#)