

Calendar

Wednesday, February 1

11:00 a.m. Fermilab ILC R&D Meeting - 1 West

Speaker: M. Demarteau, Fermilab

Title: Status of ILC Detector R&D

3:30 p.m. Director's Coffee Break - 2nd Flr X-Over

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

Speaker: L. Randall, Harvard University

Title: Warped Geometry: Consequences and Signatures

Thursday, February 2

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

Speaker: P. Fox, Lawrence Berkeley

National Laboratory

Title: Naturalness and Higgs Decays in the MSSM with a Singlet: Searching for a Stealthy Higgs

3:30 p.m.

Director's Coffee Break - 2nd Flr X-Over

4:00 p.m.

Accelerator Physics and Technology Seminar - 1 West

Speaker: R. Webber, Fermilab

Title: Current Proton Driver Activities in the Accelerator Division

Weather



Partly Cloudy **45°/31°**

[Extended Forecast](#)

[Weather at Fermilab](#)

Current Security Status

[Secou Level 3](#)

Challenge for Spokespeople: Bloom Where You're Planted

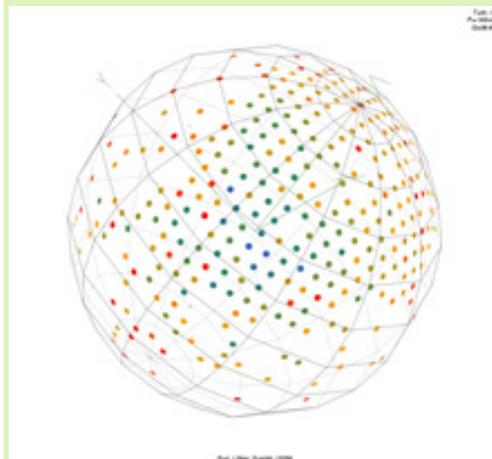


Young-Kee Kim, co-spokesperson for CDF and future Deputy Director for the lab, is one of several spokespeople whose terms are ending this year. (Click image for larger version.)

"A spokesperson's main job is to make sure our program blooms," says Young-Kee Kim, co-spokesperson for CDF with Rob Roser. Behind the flowery metaphor hides a long, often daunting, laundry list of responsibilities. Spokespeople are responsible for the proper collection, storage, retrieval, and analysis of data; for the proper and safe running and maintenance of equipment; for assigning individuals to various tasks; and for presenting their experiment to colleagues in the scientific community beyond their project.

"One of our main jobs is to put the right person in the right place to do the job. How do we put a person's skills to a task to maximize their strengths? That is our responsibility," says Kim. While spokespeople do delegate many of the tasks, when it comes to a properly running experiment, the buck will always

First Antineutrino Event Recorded at MiniBooNE



A detector view of MiniBooNE's first antineutrino event. Each dot represents a photomultiplier tube (PMT) hit from a photon created by the antineutrino interaction in the detector's mineral oil. The colors represent a time range of 50 nanoseconds, where blue is early, and red later. (Click image for larger version.)

Since the discovery of neutrinos in 1953, physicists have invested much time and energy into understanding these supposedly-neutral particles: their masses, flavors, oscillations, role in symmetries, and possible connection to dark matter. MiniBooNE has been part of this endeavor, in its efforts to study neutrino mass and search for a fourth neutrino by analyzing neutrino oscillations. When MiniBooNE detected its first neutrino event in 2002, it became the only experiment to search the entire oscillation signal range covered by the Liquid Scintillator Neutrino Detector (LSND) experiments at Los Alamos.

The newest experiment at MiniBooNE, E944, has begun to study antineutrino oscillations--muon antineutrinos to electron antineutrinos--and will now test the LSND oscillation signals for those as well. "It took about two weeks to reverse

Wilson Hall Cafe

Wednesday, February 1

- Vegetable Beef
- Fish & Chips
- Salmon w/Lemon Pepper
- Country Fried Steak w/Pepper Gravy
- Beef & Cheddar Panini w/Sauteed Onions
- Assorted Personal Sized Pizzas
- Cavatappi Pasta w/Italian Sausage & Tomato Ragu

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

[Wilson Hall Cafe Menu](#)

Chez Leon

Wednesday, February 1

Lunch

- Pork Tenderloin with Apple Salsa
- Chipotle Sweet Potatoes
- Almond Cake with Citrus Syrup

Thursday, February 2

Dinner

- Clam Chowder
- Beef and Vegetable Kabobs
- Chocolate Souffle with Frangelico
- Creme Anglais

[Chez Leon Menu](#)

Call x4512 to make your reservation.

Search

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Info

stop with the spokesperson.

"It's all-consuming. There's always some new challenge that needs attention and effort," says Jerry Blazey, DZero co-spokesperson with Terry Wyatt. "Of course, it's also very rewarding because you're working with so many very talented people." Blazey cites "confronting the consequences of Zebra Mussels" as one of the most memorable challenges from his time as a spokesperson. Everyone from DZero, he promises, will understand.

Each experiment has its own bylaws regarding spokesperson terms, the nomination and voting process, and the timing of all these events. Several experimental collaborations at Fermilab are conducting spokesperson elections now, each in its own stage of progress, depending on individual bylaws. Here is a list of the [current spokesperson status](#) for Fermilab experiments.

— Dawn Stanton

What's Happening at CMS?



the polarity of the eleven horn power supplies," said Richard Van de Water, co-spokesperson for MiniBooNE.

"Everything else remains the same."

The new experiment at MiniBooNE recorded its first antineutrino event at 9:47:09 a.m. on Thursday, January 19. Van de Water laments that they will get fewer statistics in the antineutrino search compared to the neutrino search because the flux and cross sections are lower by a factor of two each. On the other hand, the search for antineutrinos using an 8 GeV beam brings the hope of new discoveries.

"For example, if you violate CPT, there's nothing that says it has to be true for neutrinos. It can be violated and you might not see it in neutrinos, but you might see it in antineutrinos," said Van de Water. "Nobody has looked at these energies for antineutrinos: it's new territory."

— Dawn Stanton

Announcements

Andrea Silvestrelli, Basso-Baritone

The Cultural Association of Italians at Fermilab presents Andrea Silvestrelli, basso-baritone, and Teresa Cullen, soprano, in recital with Eric Weimer, piano, on Wednesday, February 8, at 8 p. m. in the Ramsey Auditorium. Tickets are \$15; for more information call 630-840-ARTS (2787).

Sitewide Emergency Warning System

The Sitewide Emergency Warning System (SEWS) is scheduled for testing on February 7, 2006 (the first Tuesday of the month), at 10:00 a.m. All components including the Informer Receivers and

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Montgomery visits CMS: Fermilab

Associate Director Hugh Montgomery, along with CERN's Tracker Project Manager Peter Sharp and other members of the CMS collaboration at the Large Hadron Collider, visited the CMS assembly hall at Point 5 in Cessy, France last week. Above the visitors, a central element of the detector's iron yoke with the superconducting solenoid are being prepared for the Magnet Test Challenge in spring 2006. Active elements of several subdetectors and their readout electronics will be commissioned and operated in a magnetic field of 4 Tesla. Click [here](#) for the most up-to-date status of CMS construction at Point 5 via live webcam. (Photo courtesy of Slawomir Tkaczyk; click image for larger version.)

NALWO Folkdance Potluck

Folk dancing has been a part of NALWO for 18 years, offering an opportunity for the lab community and the surrounding community to get acquainted while learning dances from around the world. Now there's a chance for that acquaintance to get renewed and furthered at a NALWO folkdance potluck on Saturday, February 25 at 6:00 p.m. in the Kuhn Barn. NALWO will provide beverages (non-alcoholic). Please bring food to share (ethnic specialties especially encouraged!!) and some comfortable shoes for dancing. After dinner (at around 7 p.m.) the Folk and Scottish Dancers will show samples of what they do every week, and get everyone dancing some easy dances. All ages are welcome. It is not necessary to bring a dance partner, and there will be some dances appropriate for children. Please bring quiet activities to occupy younger children who may not want or be able to join the dancing.

voice interfaces for CDF, D-Zero, FCC and Wilson Hall will be tested.

International Folk Dancing

International Folk Dancing will meet exceptionally this week in Ramsey Auditorium in Wilson Hall, on Thursday, February 2. Dancing begins at 7:30 p.m. with teaching and children's dances earlier in the evening and request dancing later on. Newcomers are welcome and you do not need to come with a partner. Info at 630-584-0825 or 630-840-8194 or folkdance@fnal.gov.

Summer Housing Requests

The Fermilab Housing Office is now taking requests for houses, apartments, and dormitory rooms for the summer of 2006. Since there will be a large influx of experimenters, and requests are anticipated to be in excess of our available facilities, you are urged to submit your request for reservations to the Housing Office by Wednesday, March 1, 2006. Requests can be made for any period and need not commence on any particular date. For further information, please contact the Housing Office at: (630) 840-3777 or email housing@fnal.gov. Individual housing requests can be made by using our [Online Housing Request form](#).

Recreation Discount Ticket Sales

Milk Pail Dinner Theater presents the *Mardi Gras Murder Mystery* on February 11 at 7:00 p.m. Discount price is \$50.00 per person (reg. \$60.00). The Milk Pail Theater is located in East Dundee. Chicago Blackhawks Discount tickets for the March 15, March 29 and April 16 games are half off. Tickets are for the 300 level. All directs are ordered direct. Order forms can be found in the

In the News***House Committee on Science,*
January 31, 2006:
SCIENCE COMMITTEE MEMBERS
APPLAUD PRESIDENT'S RESEARCH
AND EDUCATION INITIATIVES**

WASHINGTON, January 31, 2006 – Leaders of the House Science Committee released the following statements tonight in response to the science policy initiatives in the President's State of the Union address:

Science Committee Chairman Sherwood Boehlert (R-NY) said, "The President is doing exactly the right thing in focusing on science, math and engineering research and education. The nation needs new investments and new approaches in research and education if we are to remain competitive and prosperous. I applaud the President for seizing the initiative, even in this time of budget stringency, to propose a significant and meaningful competitiveness agenda. This initiative should be embraced by the nation's business and academic leaders, who have been calling for just this sort of effort to protect our economic future. I look forward to working with the President and my colleagues in Congress to move forward with the President's proposals as their details emerge over the next several weeks."

[Read More](#)

Recreation Office or on [the website](#).

Pheasant Run Outing

The Fermilab Recreation Office offers an adult outing with buffet dinner and theater. Pheasant Run Resort & Spa presents "Accomplice" by Rupert Holmes, Saturday, March 4. The price of \$35.00/person includes the dinner buffet and theater, taxes and gratuity. Call or stop by the Recreation Office x5427, x2548 to pick up a brochure and registration form. Deadline is February 17. More information can be found on the [Recreation Web page](#).

[Upcoming Activities](#)