

## Calendar

### Wednesday, November 2

**11:00 p.m.** ILC R&D Meeting - 1 West

Speaker: P. LeBrun, Fermilab

Title: ILC Accelerator Simulation for the LET (Low Emittance Transport) System

Speaker: P. Spentzouris, Fermilab

Title: Update on Multi-Particle Effects on ILC Components

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

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

Speaker: L. Bartoszek, Bartoszek Engineering

Title: Taking the Space Elevator from Science Fiction to Engineering

### Thursday, November 3

**11:00** - Academic Lecture Series - 1 West

**2:30** - Theoretical Physics Seminar - Curia II

Speaker: A. Birkedal, University of California, Santa Cruz

Title: Measuring Dark Matter at Colliders

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

**4:00** Fermilab Colloquium - 1 West

Speakers: S. Lackey, C. Briegel, D. Nicklaus, J. Patrick - Fermilab

Title: Summary of the International Conference on Accelerator and Large Experimental Physics Control Systems (ICALEPCS 2005)

## Weather



Breezy **64°/49°**

[Extended Forecast](#)

[Weather at Fermilab](#)

## Computing Safety: Register Your System Administrator

All lab computer users should verify that there is a current system administrator (sysadmin) registered for all computers they use. To check, just click the "Am I registered" link at the top of the computer security [home page](#).

The primary system administrator is the individual who is responsible for installing system and security patches and setting up the system configuration. Please update the information if there is incorrect information or no sysadmin listed. It is important that the security team be able to contact the owner or sysadmin in case of a security incident involving a computer. You can update the information in one of 3 ways:

- 1) If you only want to add a specific person as the sysadmin of the machine you are currently using you can just type that person's fermi ID# into the box on the web page and click submit;
- 2) If you need to make more complex changes you need to access the System Administrator's Online Database via the link at the top of the page; this requires having a Fermilab KCA certificate [and this would be a good time to learn how to acquire and use such certificates]
- 3) If your hardware is completely unregistered or needs to have MAC addresses added you need to click on the Register New interface or Add/Modify Mac Address link.

## Local Company Finishes LHC Cooling Components



Left to right: Phil Pfund, Tom Peterson, Jim Kerby, Ed Bonnema, Pepin Carolan and Eileen Cunningham. (Click image for larger version.)

A key component for the Large Hadron Collider has been completed with the help of Fermilab, Lawrence Berkeley National Laboratory and a local manufacturer. Meyer Tool and Manufacturing, based in Oak Lawn, shipped the final two of eight cryogenic distribution boxes to CERN earlier this week for use in the cooling system of the new accelerator. The company was contracted to do the work in April 2003 with Berkeley Lab designing the boxes and Fermilab providing technical oversight for the project.

"This job has been a fantastic one for us," said Ed Bonnema, VP Operations for Meyer Tool. "It's a great model looking forward to the International Linear Collider on how the labs and the industry can work together to go forward." The distribution boxes will link the LHC's superconducting magnets with the systems that keep the magnets operating at temperatures near absolute zero. "Everything has to make this transition from the low-temperature, vacuum-insulated environment of the magnet out into the tunnel where you have pipes and wires and tunnels," said Fermilab

## Current Security Status

[Secou Level 3](#)

## Wilson Hall Cafe

### Wednesday, November 2

- Portabello Harvest Grain
- Santa Fe Chicken Quesadilla
- Garlic Herb Roasted Pork
- Beef Stroganoff
- Triple Decker Club
- Meatlover's Pizza
- Pesto Shrimp Linguini w/Leeks & Tomatoes

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

[Wilson Hall Cafe Menu](#)

## Chez Leon

### Wednesday, November 2

#### Lunch

- Chicken Marbella
- Green Rice
- Vegetable of the Season
- Caramel Chocolate Cheesecake

### Thursday, November 3

#### Dinner

BOOKED

[Chez Leon Menu](#)

Call x4512 to make your reservation.

## Search

Search the Fermilab Today Archive

## Info

If you have difficulties or are unable to update your information, please contact the Help Desk at x2345 for assistance.

## Photo of the Day



The "Fermilab Accelerators" unofficially came in first place in the corporate division of last month's Lasalle Bank Chicago Marathon.

Pictured are members of the team at the finish line along with other Fermilab runners.

From left to right: Dmitri Tsybychev, JJ Schmidt, Elena Shemyakina, Sasha Shemyakin, Hans Wenzel, Jim Steimel, Steve Mrenna, Ron Moore.

## In the News

### From *New York Times*, October 31, 2005:

#### Marvin Chodorow, 92, Expert in the Use of Microwave Tubes, Dies

Marvin Chodorow, an applied physicist and administrator at Stanford who helped refine the use of microwave tubes in improving radar, telecommunications, cancer treatments and other applications, died Oct. 17 at his home in Stanford, Calif. He was 92.

Dr. Chodorow's family confirmed his death.

In the 1940's, when microwave technology was in its infancy, Dr. Chodorow began his work on tubes known as klystrons, which generate and amplify high frequencies of microwaves. The tubes were developed at Stanford in

cryogenics engineer Tom Peterson, who worked closely with Meyer Tool and with fellow Technical Division employee Phil Pfund. "The feed box is that interface from the power supply and cryogenic system to the magnets."

On Friday, a group of Fermilab, Department of Energy and Meyer Tool employees met to send off the last two distribution boxes. "There are certain things that are hard to specify in a contract related to cooperation, communication, trust, and give and take, and I think there was a lot of that in this work between Fermilab, Berkeley and Meyer," said Pepin Carolan, of the DOE Fermi Area Office. Fermilab engineer Jim Kerby added: "The ILC would be lucky to get a series of contractors like Meyer."  
—Kendra Snyder

## Milestones

### 2005 AAAS Fellows

The AAAS Council elected 376 members as Fellows of AAAS for their contributions to science. The list includes:

- Neil V. Baggett of the U.S. Dept. of Energy, Washington, DC.
- Michael S. Turner of the National Science Foundation and the University of Chicago.

The Fellows will be honored at the AAAS Annual Meeting in St. Louis in February 2006.

## Fermilab Holiday Book Fair

Fermilab Today is online at:

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

Send comments and suggestions to

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the 1930's and later became essential in television transmission, missile guidance systems and satellite communications. They are also used in linear accelerators to create beams of radiation to treat cancers.

Dr. Chodorow helped increase the power of klystrons and contributed to the theory of the reflex klystron tube. From 1959 to 1978, he directed the microwave laboratory at Stanford, where he also served as founding chairman of the department of applied physics.

In the 1970's, Dr. Chodorow and others experimented with acoustic microwaves and developed an acoustic microscope. A collaborator on the project, Calvin F. Quate, an emeritus professor of engineering at Stanford, said the microscope examined the acoustic properties of surfaces and was commonly used to test the integrity of coverings around semiconductor chips.

[Read More](#)

Fermilab Recreation will sponsor a Holiday Book Fair, hosted by *Books are Fun*, in the Atrium on Tuesday, November 29 from 10:00 a.m. until 6:00 p.m. and on Wednesday, November 30 from 7:00 a.m. until 3:00 p.m. *Books are Fun* will be offering a new selection of hard cover books with savings of up to 70 percent. The Book Fair will feature more than 200 titles--Cookbooks, General Information Books, Inspirational Books, Children's Books, Bestsellers and more. There will also be a special selection of photo albums, cards and gift items. A portion of the proceeds from the Book Fair subsidizes some of our Recreation Programs, so be sure to mark your calendar now!

## Announcements

### Give the Gift of Good Health

Surprise someone with the gift of good health. Gift Certificates are available for a Recreation Membership for your spouse, adult dependent, or co-worker. The Recreation Facility is open twenty-four hours a day, every day. The price for a membership is \$45 for graduate students and each of their qualified family members and \$75 for a regular membership and each of their qualified family members. Go [online](#) for more information and pictures of the facility.

### Entertainment Books are On Sale

Entertainment Books are on sale now in the Recreation Office. You can view the [offerings](#) in books online before you order.

### [Upcoming Activities](#)