

## Calendar

**Wed., May 16**  
**11:00 a.m.**  
 Fermilab ILC R&D Meeting - 1 West  
 Speaker: A. Para, Fermilab  
 Title: The Calorimetry Challenge for ILC Detectors  
**12:00 p.m.**  
 Fermilab ILC Town Meeting - 1 West  
 Speakers: M. Ross and R. Kephart, Fermilab  
 Title: On the Path to the ILC EDR  
**3:30 p.m.**  
 DIRECTOR'S COFFEE  
 BREAK - 2nd Flr X-Over  
**4:00 p.m.**  
 Fermilab Colloquium - 1 West  
 Speaker: N. Finkelstein, University of Colorado  
 Title: Educating Scientifically: Advances in Physics Education Research

**Thurs., May 17**  
**1:00 p.m.**  
 ALCPG ILC Physics and Detector Seminar - Hornets' Nest, WH-8XO  
 Speaker: C. Damerell, Rutherford Appleton Laboratory  
 Title: Report on the Beijing Tracking Review  
**2:30 p.m.**  
 Theoretical Physics Seminar - Curia II  
 Speaker: R. Enberg, University of Arizona  
 Title: LHC and Dark Matter Signatures of Improved Naturalness  
**3:30 p.m.**  
 DIRECTOR'S COFFEE  
 BREAK - 2nd Flr X-Over  
**4:00 p.m.**  
 Accelerator Physics and Technology Seminar - 1 West  
 Speaker: V. Nagaslaev, Fermilab  
 Title: Recent Machine and Beam Line Optics Developments in the

## Special Announcement

### Ross, Kephart conduct ILC Town Meeting at Noon in 1W



Marc Ross

Capping off an ILC twin-bill today, Technical Division head Marc Ross will lead a Town Meeting for Fermilab employees and users at Noon in One West. Ross serves as the chair of the EDR task force, which is drawn from the three regions of the Global Design Effort, and the ILC Executive Committee.



Bob Kephart

The task force is seeking feedback on how the EDR effort should be organized and what special issues might be involved for FNAL. Ross will offer a presentation on the ILC Engineering Design Report plans, then he and

FNAL task force member Bob Kephart will host a discussion on the issues special to FNAL during the EDR era.

The immediate goal of the task force is to have a preliminary report ready for the meeting at DESY from May 30 to June 2, followed by a complete report to the ILCSC in August. The report will contain recommendations for the EDR project structure and work packages. The long range goals of the task force include maintaining momentum from the Reference Design Report phase; growing the scope and commitment of the international ILC community; meeting technical requirements of governments to proceed with the project; and coordinating the worldwide R&D program.

The town hall meeting is preceded by a talk on the Calorimetry Challenge for ILC Detectors, presented by Fermilab's Adam Para at 11 a.m. in One West.

## Feature

## From Computing Division

### LQCD and persistence

*Today's column is written by Vicky White, head of the Computing Division.*

**"Energy and persistence conquer all things."**  
 -- Benjamin Franklin (1706 - 1790)



Vicky White

During the DOE annual review of the US Lattice Quantum ChromoDynamics computing facility, held at Jefferson lab on Monday, we

learned great things about the science being conducted using the special computing facilities at Brookhaven Lab, Jefferson Lab and Fermilab. Fermilab plays a major role in this success, from managing the overall facility project, to working on the science, and everything in between -- including a dedicated team of people in Computing Division who keep the 1,245 systems running efficiently at the Lattice Computing Facility.

It is almost ten years now since I first become involved with the LQCD theorists. In 1998 I began a tour of duty at DOE where the program Scientific Discovery through Advanced Computing (SciDAC) was just starting up. It was a great experience to be involved in launching SciDAC, working with Thom Dunning, now head of the [National Center for Supercomputing Applications](#).

What struck me during the review was the importance of being persistent in pursuing our long term and far reaching goals. Of course, not everything dreamed of in 1998 has come to pass for LQCD, or for many of the projects sponsored under SciDAC. It has taken a long time, in the case of LQCD, to see how building a nationwide collaboration, working across disciplines (high energy physics, nuclear physics and computer science), constructing common software and building special facilities, in the end all come together in significant scientific results. The theorists and computing people have worked persistently together. We all know that building

Antiproton Source

[Click here](#) for NALCAL, a weekly calendar with links to additional information.

### Weather

 **Chance of thunderstorms**  
65°/41°

[Extended Forecast](#)  
[Weather at Fermilab](#)

### Current Security Status

[Secon Level 3](#)

### Wilson Hall Cafe

#### Wednesday, May 16

- Portabello harvest grain
- Santa Fe chicken quesadilla
- Terkiyaki chicken w/ vegetables
- Beef stroganoff
- Triple decker club
- Assorted sliced pizza
- Pesto shrimp linguini w/ leeks & tomatoes

[Wilson Hall Cafe Menu](#)

### Chez Leon

#### Wednesday, May 16

##### Lunch

- Grilled flank steak
- Jasmine rice
- Pea Pods & mushrooms
- Chocolate almond mousse

#### Thursday, May 17

##### Dinner

- Sautéed baby beets w/ haricots verts, lemon & feta -
- Grilled lamb chops - New potatoes, cherry tomatoes & green beans w/ basil -
- Apricot almond tart

[Chez Leon Menu](#)

Call x4598 to make your reservation.

### Archives

## Rep. Nick Lampson to speak from DC at Users' Meeting



Rep. Nick Lampson

on Wednesday, June 6 followed by a question-and-answer session.

Rep. Lampson, who recently underwent bypass surgery, will appear by video from Washington, DC. His district includes the Johnson Space Center in Houston, and Rep. Lampson is expected to comment on directions for basic research and high energy physics in particular.

A former high school science teacher first elected to Congress in 1996, Rep. Lampson was cosponsor of H.R. 362, the "10,000 Teachers, 10 Million Minds" Science and Math Scholarship Act. The bill, which passed the House on April 24, provides funding for additional math and science teachers and initiatives in grades K to 12. The legislation was authored by Rep. Bart Gordon (6 th CD-Tennessee), chair of the House Committee on Science and Technology.

"As we examine our educational funding needs, we consistently recognize the importance of math and sciences funding for our school children," said Rep. Lampson in a statement following the bill's passage. "This important bill ensures our nation will continue to train our future leaders in the most competitive global industries. . . As a former science teacher myself, I know firsthand the importance of a well-rounded education, and how studying the sciences can broaden a student's mind and strengthen academic performance."

Users' Executive Committee chair Sacha Kopp, a MINOS collaborator from the University of Texas at Austin, regards Rep. Lampson's background is especially well-suited for this audience.

"On behalf of UEC," Kopp said, "we are delighted that Rep. Lampson will speak to us from first-hand experience as a science

U.S. Representative Nick Lampson (22 nd CD-Texas), chair of the House Science Committee's Subcommittee on Energy, will offer the opening address in Ramsey Auditorium for the Fermilab Annual Users' Meeting at 9:10 a.m.

accelerators and detectors takes a great deal of time and planning. We tend to forget that, whenever the scale of what we hope to accomplish can no longer be attained in small groups or by individuals, then it will take a long time and require much careful justification.

So hats off to the [U.S. Lattice Quantum Chromodynamics community](#) at the labs and universities; and to Bob Sugar, the Chair of the Executive Committee since the beginning, for his leadership and persistence. The next ten years should be even more interesting than the last ten.

### Announcements

#### Farewell to Wes Smart

Wes Smart is retiring from Fermilab after 36 years (anniversary date 5/17/1971). The Particle Physics Division is hosting a farewell gathering for his current and former colleagues to wish him well on Friday, May 18, beginning at 2 p.m. on WH 15th floor south. Refreshments will be served.

#### Reception for artists, May 18

The Fermilab Art Gallery will host a reception for artists Sherri Smith & Barbara Cervenka on Friday, May 18, from 5 to 7 p.m. in the Art Gallery. The title of their exhibit is Thru A Distant Lens.

#### Recreation Office closed

The Recreation Office is closed all day today, May 16, due to the the Employee Health and Fitness Day event.

#### Employee Health & Fitness Day Today, May 16, from 11:30 a.m. - 1:00 p.m., the

Recreation Office will sponsor the National Employee Health & Fitness Day Event. Walk, run, or bike your way around the ring. This year's theme will be "Safety at Home." A table will be set up at A1 for participants to sign in and pick up their game ticket and a bottle of water. The largest percentage of participation from Divisions and Sections will win the traveling trophy. Rain date will be May 17.

#### Spring/summer muscle toning class

Get a head start in getting fit and have fun doing it by joining the muscle toning classes. Gain strength, lean body mass and increased muscle definition with the Recreation Facility strength training classes held on Tuesday and Thursday in the Recreation Facility from 5:30-6:30 p.m. Class is open to both male and female beginners or advanced students. The class schedule is: June 5 - June 28, 4 weeks

## [Fermilab Today](#)

## [Result of the Week](#)

## [Safety Tip of the Week](#)

## [ILC NewsLine](#)

### Info

Fermilab Today is online at:  
[www.fnal.gov/today/](http://www.fnal.gov/today/)

Send comments and suggestions to:  
[today@fnal.gov](mailto:today@fnal.gov)

teacher. He is also a strong proponent for innovation through research and education, to help keep the United States at the forefront of scientific discovery and technology.”

Users are encouraged to [register online](#) for the Annual Meeting, which takes place June 6-7.

-- *Mike Perricone*

### Special Announcement

## Bug may cause slowdown

The Particle Physics Division's Computer Support group has seen a recent increase of computer performance problems, including sluggishness after logging in or restarting a Windows computer, apparent system lockup or freeze during scan updates from the Microsoft updates page and SVCHOST service set at 100 percent, staying maxed out for as long as 20 minutes.

These problems are not isolated to Fermilab and are related to a known bug. Microsoft is attempting to fix the issue. More information about the performance problem can be found here: [MS Article 916089](#) and a fix can be found here: [MS Fix](#). The fix does not completely fix the problem, but improves system performance. A permanent fix is expected out this month.

### In the News

## From *The Beacon News* May 15, 2007

### SciTech annual dinner pays tribute to Mir

AURORA -- The days are counting down for fans to meet with SciTech Hands On Museum's visionary force, Dr. Ronen Mir.

Museum supporters and friends will honor Mir at Sunday's annual benefit dinner and silent auction at Walter Payton's Roundhouse Complex.

Fans will be able to meet with a force of the Chicago Bears, too -- Dan Hampton, a legendary defensive lineman from the 1985 Super Bowl champions.

[Read more](#)

at \$32.00 July 10 - August 2, 4 weeks at \$32.00. Registration deadline is the Friday prior to the start of the session. You must be a Recreation Member to participate. Registration Forms can be found in the Recreation office or on the [website](#).

### Hatha yoga class

Learn the benefits of yoga. The next class will begin May 15 through July 10 (no class July 3) on Tuesdays from Noon to 1 p.m. in the Auditorium WHGF. This cost for this eight-week class is \$80.00. [Information and registration forms](#).

### EAP Office closed May 18

The EAP office will be open Wednesday, May 16th and Thursday, May 17th and closed on Friday, May 18th. The EAP is available 24/7 by calling 800-843-1327.

### Kyuki-Do Martial Arts class

Classes will be held on Monday and Wednesday from 5:00 - 6:00 PM in the gymnasium of the Recreation Facility. The six-week session cost is \$45.00. The schedule for the next three sessions are: May 21 - July 2 (no class on Memorial Day, May 28), July 9 - August 15, and August 20 - September 26. For more information or to register contact the Recreation Office, x5427 or visit the [Recreation Website](#). Recreation Facility Membership required.

### [Upcoming Activities](#)