

## Calendar

### Wednesday, August 31

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

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

Speaker: S. Long, University of Illinois,  
Urbana-Champaign

Title: The Direct Effects of Atmospheric  
Change on Vegetation - From Gene  
Expression to Crop Production in the  
Field

**Note:** The 11:00 a.m. Fermilab ILC R&D  
meeting has been cancelled

### Thursday, September 1

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

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

Speaker: H. Tomizawa, SPring-8, Japan

Title: R&D on RF-Gun Photoemission  
Sources at SPring-8

**Note:** There will be no Theoretical  
Physics Seminar this week

## Weather



Mostly Sunny **81°/61°**

[Extended Forecast](#)

[Weather at Fermilab](#)

## Current Security Status

[Secou Level 3](#)

## Wilson Hall Cafe

## Fermilab Arts Series: Natalie MacMaster



Fermilab kicks off the 2005-2006 season with Canadian fiddle and step-dancing sensation, Natalie MacMaster on Saturday, September 17, 2005 at 8 p.m. in Fermilab's Ramsey Auditorium.

Natalie MacMaster first picked up a fiddle at the age of nine and has never looked back. After winning numerous East Coast Music Awards for her early traditional recordings, she began taking Celtic music to new heights with albums like *In My Hands*, which featured elements of jazz and Latin music, and guest vocals by Alison Krauss. Natalie received both a Grammy nomination and Juno Award for Best Instrumental Album for *My Roots Are Showing*. She has shared the stage with Carlos Santana, The Chieftains, Paul Simon, Luciano Pavarotti, Alison Krauss, Mark O'Conner and dozens of distinguished symphony orchestras.

Natalie's live performances are a testament to her incandescent musicianship and boundless energy, featuring foot-tapping rave-ups, heart-stopping ballads, and world-class step dancing. Her national and international tours have proven that she is as equally adept at setting the house on fire with her

## On the Job with Payroll: Working Hard for the Money



Payroll is a very tight-knit group, which allows for exceptional teamwork and a relaxed atmosphere. (Left to right): Bonnie Consalvo, LindaSue Smith, Noell Healy, Evangeline de Jesus, Ronald Pahl, Mary Tolian, and Tina Elmore. (Click on image for larger version.)

Ask any Fermilab employee what their favorite department is, and chances are you will hear, "Payroll!" Part of Business Services Section's Accounting Department, Payroll is responsible for processing employee time sheets and ensuring employees are paid in a timely manner. Not an easy task considering the lab employs more than 2,000 employees and the Payroll Group is a staff of seven.

With only six full time and one summer employee, Payroll is a tight-knit group. "Teamwork is our top priority," said group leader Ron Pahl. "If someone is out of the office or tied up with something else, another person has to be able to jump in." That will become easier next year, when the laboratory plans to upgrade to an electronic Time and Labor system. "With the more sophisticated system, we will be able to cut down on the manual labor needed in the time collection process as well as provide management with more detail," Pahl explained.

### Wednesday, August 31

- Italian Wedding with Meatballs
- Diner-Style Patty Melt
- Chicken A la Mer
- Beef & Broccoli
- Greek Chicken Panini with Feta Cheese
- Sicilian Style Pizza
- Grilled Chicken Bowtie pasta in a Tomato Cream Sauce

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

[Wilson Hall Cafe Menu](#)

### Chez Leon

### Wednesday, August 31

#### Lunch

- Grilled Duck Salad with Green Beans
- Pear Almond Strudel

### Thursday, September 1

#### Dinner

- Caponata
- Grilled Scampi
- Orzo with Arugula and Parmesan
- Cassata

[Chez Leon Menu](#)

Call x4512 to make your reservation.

### Search

[Search the Fermilab Today Archive](#)

### Info

exceptional band as she is at hypnotizing a crowd while alone in the spotlights. Her band members are Brad Davidge, guitars, vocals; John Chiasson, bass, vocals; Allan Dewar, piano, keyboards; Matt MacIsaac, bagpipes, whistles; and Miche Pouliot, drums, percussion.

Order your tickets early - Natalie's last performance at Fermilab in 1998 sold out in record time!

Tickets for the Natalie MacMaster show on September 17 are just \$28 (\$14 for ages 18 and under). For further information or telephone reservations, call 630/840-ARTS (2787) weekdays between 9 a.m. and 4 p.m.

[More Information](#)

### In the News

**From *The San Francisco Chronicle*, August 29, 2005**  
**Military examines 'beaming up' data, people - Critics say its extreme computing, energy needs keep teleportation unlikely for now**

Frustrated that terrorist kingpin Osama bin Laden is still on the loose nearly four years after the Sept. 11 attacks, a few military types and their scientific advisers are pondering a "what if" solution straight out of TV's "Star Trek."

Wouldn't it be neat, they ask, if we could nab bin Laden via teleportation? In "Star Trek," the characters traveled between spaceship and planet by having their bodies dematerialized, then "beamed" to another locale — hence, the characters' familiar request to the ship's engineer: "Beam me up, Scotty."

Electronic direct deposit has eliminated many headaches for both Payroll and employees. There are still a handful of employees who haven't signed up for direct deposit. "It is quicker, easier and safer than issuing checks that must be cashed. We encourage everyone to use direct deposit," Pahl said.

"We also have a number of non-resident aliens paid by the lab, and each has a specific tax situation" depending on their visa, Pahl explained. Payroll reviews each case and, if there is a need for additional information, contacts the employee and schedules a time to meet. "I really enjoy having the non-resident aliens come in and talk about where they came from," he said. "People come to Fermilab from all over the world, and there's so much you can learn from them."

Pahl has been working in the payroll department of various businesses for almost 35 years, and has spent 12 of those years at Fermilab. "I love the atmosphere here," he said. "It's very relaxed, employees are so courteous and the Payroll staff is the best. We have over 45 years of Fermilab experience in Payroll and have a very good understanding of the pay policies. Plus, I can look out my window and see deer and other wildlife running around."

—Elizabeth Wade

### Announcements

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That's teleportation.

Although many physicists think such ideas are claptrap, it would be ideal if the United States could teleport U.S. soldiers into "a cave, tap bin Laden on the shoulder, and say: 'Hey, let's go,'" said Ranney Adams, spokesperson for the Air Force Research Laboratory at Edwards Air Force Base in the Southern California desert. "But we're not there (yet)."

Not for want of trying, though. Last year, the Air Force spent \$25,000 on a report, titled "Teleportation Physics Study," to examine possible ways to teleport humans and objects through space.

The military has a long history of funding research into topics that seem straight out of science fiction, even occultism. These range from "psychic" spying to "antimatter"-propelled aircraft and rockets to strange new types of superbombs.

Military-watchers have long argued over whether such studies are wastes of taxpayers' money or necessary to identify future super-weapons, weapons that a foe might develop if we don't.

In recent years, many physicists have become excited about a phenomenon called "quantum teleportation," which works only with infinitesimally tiny particles. It might lead to new ways of transmitting cryptographically secure messages, some speculate, but not human beings for a long time to come, if ever.

[Read More](#)

## Ultimate Frisbee

Interested in playing ultimate frisbee? It's a great way to get exercise while having fun at the same time! If you've never played before, don't worry about it, we'll teach you. Join us today at the soccer field in the village. We usually play every Wed. from 5:00 - 7:00 pm. Please bring a bottle of water. See you there!

## Unix Users Meeting

Curia II

Wednesday 8/31/2005 @ 1:00PM

Agenda:

Irwin Gains - DOE and Audits

Connie and Troy - Latest on 305 and 4.0

## Power Outage

Due to the holiday weekend, the power outage scheduled for September 3 has been changed to September 24. The power will be cut to Labs A, B, C, D, E, and F from 8:30 AM - 4:30 PM on Saturday, September 24, 2005.

## Building Manager Notice

In an effort to enhance the overall dependability and performance of Wilson Hall elevators, the building manager has scheduled extensive maintenance and repairs affecting all four cars. Every car will be taken out of service for four to five days until completion of the project. Only one car will be affected at any given time during these repairs.

## Fermilab Health Fair

The Fermilab Health Fair, complete with demonstrations, screenings, and health information, will take place on Thursday, September 8 from 11:00 p.m. until 2:00 p.m.

## Upcoming Classes

September 12 & 13: Word Intro & PowerPoint Intro

September 27: Excel Intermediate

September 28: Word Intermediate

October 11: Excel Advanced

October 12: Word Advanced

October 11 & 26: Interpersonal Communication Skills

[More Information](#)

[Upcoming Activities](#)