

## Calendar

### Tuesday, April 18

**9:00 a.m. - 7:00 p.m.** [P5 meeting](#)

**3:30 p.m.** DIRECTOR'S COFFEE

BREAK - 2nd Flr X-Over

**4:00 p.m.** Accelerator Physics and

Technology Seminar - Curia II

Speaker: V. Ranjbar, Fermilab

Title: Chromaticity and Impedance Effect on the Transverse Motion of Longitudinal Bunch Slices in the Tevatron

### Wednesday, April 19

**9:00 a.m. - 7:00 p.m.** [P5 meeting](#)

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

Speaker: M. Church, Fermilab

Title: Proposal for ILC Test Facility

**11:00 a.m.** Academic Lecture Series - Curia II

Speaker: B. Cabrera, Stanford University/Fermilab

Title: The Search for WIMP Dark Matter Around Our Galaxy Course 7: (2nd Lecture)

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

Speaker: J. Harvey, University of Chicago

Title: NJL and QCD from String Theory

**3:30 p.m.** DIRECTOR'S COFFEE

BREAK - 2nd Flr X-Over

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

Speaker: W. Washington, The National Center for Atmospheric Research

Title: Climate Change Simulations of the 20th and 21st Centuries: Present and Future

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

## P5: Today and tomorrow

HEPAP's "Particle Physics Project Prioritization Panel" (P5) will meet today and tomorrow at Fermilab to discuss the proposed projects for neutrino physics and for dark matter detection. [Open sessions](#) will be held in 1 West and streaming video will be available through [Visual Media Services](#).

## Zebra mussels: Humans give rides to sneaky hitchhikers

*This is the second article in a [three-part series](#) about zebra mussels at Fermilab.*



Zebra mussels will attach to anything hard and moist—even this hapless crayfish.

It's easy to blame the geese, but humans, too, may be partially responsible for the spread of zebra mussels in Fermilab's water cooling system. Voracious breeders and tenacious hitchhikers, zebra mussels (*Dreissena polymorpha*) have invaded the midwest freshwater system, and have even managed to break into the ponds at Fermilab, attaching themselves to anything that is dark and moist and clogging the water pipes that cool the equipment.

Zebra mussels may have found their way

## Director's Corner

### Severe weather

On Saturday, a little over a week ago, Barbara and I entered Ramsey

Auditorium right at noon to hear Tom Skilling's program on Tornados and

Severe Weather in Illinois. Little did we know that 1500 folks

from communities near and far had

arrived before us. You will be glad to know that your director was dutifully escorted out of the Auditorium since it would not be safe to block the aisles. Suitably impressed--this had to be a really good program to draw so many people -- we came back in the evening, this time early enough to find a seat, to join another 1000 folks to hear the second run of the program.

It was a great program! For nearly five hours we heard presentations by distinguished experts and researchers from academia and state and federal government agencies on many aspects of severe weather storms, weather predictions, storm simulations, the system of alerts, videos and photos taken during tornadoes and hail storms, the hazards and injuries to be expected and detailed analysis of some of the most awesome tornados in history that occurred in this state. For us coming from mild California, it was an eye opener and a serious education. Before hearing Tom and his group of experts, I



Pier Oddone

**Weather**Mostly Sunny **65°/45°**[Extended Forecast](#)[Weather at Fermilab](#)**Current Security Status**[Secou Level 3](#)**Wilson Hall Cafe****Tuesday, April 18**

- Chicken & Rice Soup
- Cowboy Burger
- Baked Meatloaf w/Gravy
- Parmesan Baked Fish
- Peppered Beef
- Ham & Pastrami Calzones
- South of the Border Burritos w/Chips & Queso

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

[Wilson Hall Cafe Menu](#)**Chez Leon****Wednesday, April 19****Lunch**

- Tri-Colored Tortellini w/Gorgonzola Cream
- Sauteed Spinach
- Ginger Pear Crisp

**Thursday, April 20****Dinner**

- Coquille St.Jacques
- Pork Tenderloin w/Marsala Sauce
- Steamed Asparagus
- Roasted Yukon Gold Potatoes w/Onion
- Rhubarb Apple Turnovers
- Pear & Almond Strudel

to Fermilab in the first place by means of a fisherman who inadvertently brought a little bit of water in his bait bucket from an infested lake. "I think people need to understand that it's not just the birds and the system itself that is responsible for the spread of the zebra mussels," said FESS engineer Anne Lucietto. Zebra mussel babies--called "veligers"--are microscopic, allowing them to hitchhike from lake to lake on ducks and geese, toy boats and fishing poles.

Fermilab users, visitors, and employees should take care not to contaminate other lakes inadvertently. Rinse thoroughly any equipment that has touched the lake water, preferably with hot or chlorinated water. And fishermen should make sure that they empty their bait buckets of water completely.

—Jennifer Lauren Lee

**Milestones**

35 Year Service Awards: K. Coiley, A.

Waller, S. Jones, W. Smart, Fermilab director P. Oddone (Click on image for larger version.)



may have been inclined to regard a severe weather warning as over-rated. Not any longer.

Tom Skilling, Chief Meteorologist from WGN-TV/Chicago Tribune is an excellent producer and host. He is ebullient and enthusiastic; weather is his calling. We have been very fortunate at Fermilab that Tom presents his educational program yearly for our benefit and the benefit of the surrounding communities. Tom makes this program possible with the help of our own Fermilab folks in Media Services, Security and Buildings.

These remarkable programs have become a tradition. Fermilab has hosted the programs each year for a quarter of a century. If you have not yet attended one of these programs, I cannot think of a better education on severe weather and tornadoes in Illinois--something not only worth learning about in its own right, but also important for your safety and the safety of your family. In the meantime, beware: April has the highest incidence of tornados in this part of the country. Learn where your tornado shelter is!

**Announcements****Retirement Income Options Seminar**

On April 21, TIAA-CREF representative John Creel will hold a Retirement Income Options Seminar. According to Employee Benefits Planning Manager Wilma Cardona, the seminar will help you understand the retirement income options that are available and it's a good idea to attend several different sessions to obtain a thorough understanding of this important benefit. You can enroll online [here](#) and review the information about the seminar [here](#).

[Chez Leon Menu](#)

Call x4512 to make your reservation.

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30 Year Service Awards: **Row 1** - D.

Shemanske, Fermilab director P. Oddone, S. Quarto, D. Wolff. **Row 2** - T. Kiper, T. Smith, E. Hagler, M. Leininger (Click on image for larger version.)

**In the News****From *Chicago Sun-Times*, April 17, 2006:****Fermilab's rite of spring: baby bison**

It's a high-tech lab that seeks to unlock the secrets of the future, but at this time of year the far west suburban campus offers scenes that seem to have drifted in from the distant past.

Bison calves hover near their mothers' sides before venturing out on wobbly legs to prance on the prairie.

It is birthing season at Fermi National Accelerator Laboratory near Batavia.

"Some people get stressed out during the birthing season -- I really like it," said John Plese, Fermilab's chief herdsman. "You can see how happy they are. They play like puppies."

The bison calves are a rite of spring at Fermilab, as well as a symbol and main attraction in a place where scientists from around the world are breaking new frontiers in the realm of particle physics.

[Read More](#)

**Scottish Country Dancing**

Scottish Country Dancing will meet Tuesday, April 18, at Kuhn Barn on the Fermilab site. Instruction begins at 7:30 p.m. and newcomers are always welcome. Most dances are fully taught and walked through, and you do not need to come with a partner. Info at 630-840-8194 or 630-584-0825 or [folkdance@fnal.gov](mailto:folkdance@fnal.gov).

**NALWO Indian Cooking**

**Demonstration** Get ready for the NALWO Indian cooking demonstration on April 24, from 10:30 a.m. to 2:00 p.m. at Chez Leon in the User's Center. Come learn traditional techniques and recipes as well as modern methods and tricks. Stay for lunch to taste the results! RSVP to [SelithaR@hotmail.com](mailto:SelithaR@hotmail.com) or call (630) 305-7769.

**Calling all bridge fans**

Are you interested in forming a Fermilab Bridge Club? Either serious (duplicate?), just social (e.g. a monthly evening in people's homes?) or just want to learn? Please contact Mike Albrow ([albrow@fnal.gov](mailto:albrow@fnal.gov)) or Rajendran Raja ([raja@fnal.gov](mailto:raja@fnal.gov))

**Fermilab Association of Rocketry**

The Fermilab Association of Rocketry is having their monthly club meeting on April 19, 2006 at 5 p.m. in Users Center TV room. We are always looking for new members, so anyone interested in model rocketry is most welcome. Join the club at the meeting and have this year's membership dues waived. Check [the club's webpage](#) for more details.

**[Upcoming Activities](#)**