

Calendar

[Have a safe day!](#)

Friday, Aug. 20
10 a.m.

[Computing Techniques Seminar](#) -

Hornet's Nest, WH8XO

Speaker: Sebastien Goasguen,
Clemson University

Title: Cloud Computing Concepts and Experiences

3:30 p.m.

DIRECTOR'S COFFEE BREAK - 2nd
Flr X-Over

THERE WILL BE NO JOINT
EXPERIMENTAL-THEORETICAL
PHYSICS SEMINAR THIS WEEK

Monday, Aug. 23

THERE WILL BE NO PARTICLE
ASTROPHYSICS SEMINAR THIS
WEEK

3:30 p.m.

DIRECTOR'S COFFEE BREAK - 2nd
Flr X-Over

4 p.m.

All Experimenters' Meeting - Curia II
Special Topics: Muon Collider Cavity
Breakdown Processes; T-1005: g-2
Calorimeter Tests

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

[Upcoming conferences](#)

Campaigns

[Take Five](#)

[Tune IT Up](#)

Weather

 Sunny
90°/69°

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

Recreation Feature of the Month

Classes, events and discounts for September



RECREATION CLASSES

Red Blooded Muscle Training
Tuesdays & Thursdays September 2 - October 28
Recreation Facility 5:30 - 6:30 p.m.
\$17/Person

Yoga
Tuesdays & Thursdays September 7 - October 28
Recreation Facility 5:30 - 6:30 p.m.
\$17/Person

Health & Wellness Fair
Thursday September 23 - October 21
Recreation Facility 11:30 - 1:00 p.m.
Free

Qi Gong, Mindfulness & Tai Chi Easy
Fridays September 24 - October 22
Recreation Facility 12:00 - 12:45 p.m.
Free

EMPLOYEE CLUBS

Toastmasters
Tuesdays September 7 and 14
Recreation Facility 12:00 - 1:00 p.m.

ATHLETIC LEAGUES

Check out the Recreation Website for full league info:
[http://www.fermilab.com/recreation/leagues.html](#)

EMPLOYEE DISCOUNTS

Movie Tickets
AMC: Tuesdays \$7.00 - \$9.00
Regal: Tuesdays \$7.00
Goodrich: Tuesdays \$7.00 - \$8.00

Big Page Good America
Check out the website for more information:
[http://www.fermilab.com/goodamerica.html](#)

Round Trip to Batavia
Check out the website for more information:
[http://www.fermilab.com/batavia.html](#)

Fermilab

Fitness classes
starting soon:

- Muscle Toning: 5:30 – 6:30 p.m. Tuesdays and Thursdays, Sept. 2 – Oct. 28 at the Recreation Facility Exercise Room. Cost: \$77 per person.
- Yoga: noon – 1 p.m. Tuesdays, Sept. 7 – Oct. 26 in Ramsey Auditorium. Cost: \$85 per person.
- Kyuki-Do: 5 p.m. – 6 p.m. Mondays and Wednesdays, Sept. 20 – Oct. 27 in the Recreation Facility. Cost: \$55 per person.

This month, the Benefits/Recreation Department will also sponsor the following wellness events:

- Lunch and Learn: Proton Beam Therapy for Cancer: 12 – 1 p.m. on Tuesday, Sept. 14, in Wilson Hall Curia II. Presenter: Ken Bourkland.
- Health and Wellness Fair: 11:30 a.m. – 1 p.m. Thursday, Sept. 23, in the Wilson Hall Atrium.
- Qi Gong, Mindfulness & Tai Chi Easy: noon-12:45 p.m. on Fridays in Ramsey Auditorium. Free.

Employee Club:

- Toastmasters: noon – 1 p.m. Tuesdays, Sept. 2 and 16, in the Wilson Hall 7th Floor Racetrack conference room.

Employees and users can also contact the Recreation Department to take advantage of special discounts, including:

- AMC, Regal and Goodrich Theater tickets: AMC and Regal tickets \$8. AMC and Regal two-week restriction tickets \$7. Goodrich tickets \$7.
- [Rosati's Pizza of Batavia](#) offers Fermilab employees a 20 percent discount on pizzas and 15 percent off other menu items.

In the News

Recovery Act Feature

Recovery Act funds new projects, new opportunities



Barton Malow Co., the same company managing the NML expansion, pictured above, will oversee construction of a new cryomodule test facility.

About 200 Chicago-area tradespeople will find work constructing Fermilab's first superconducting radio-frequency cryomodule test facility during the next year.

Fermilab recently awarded a contract for the construction of the new facility using about \$4.2 million in American Recovery and Reinvestment Act funds.

Barton Malow Co., a Michigan-based firm that also won the contract to build the New Muon Laboratory expansion, will oversee the project.

"We're excited to stay," said project manager Keith Wiederhold. "People here at Fermilab treat everybody really well. It's a refreshing change after some of our experiences in the private sector."

Since March, Barton Malow subcontractors have hired about 200 tradespeople to work on the NML expansion.

"There have been about 20 people here per week, all local," Wiederhold said.

He expects to need a similar number of workers to build the new facility, which the company plans to finish by fall of 2011.

Wiederhold and his fellow project manager, Kyle DeHenau, moved to Naperville from Michigan about five months ago to manage the NML project. Wiederhold said it is difficult to be away from his wife and three daughters during the week, but he appreciates the opportunity to work on his first and second federal projects. He hopes these projects will open the doors to future work.

"Federal work is kind of a Catch-22," Wiederhold said. "You usually have to have done federal work to do federal work."

Current Security Status

[Secou Level 3](#)

Wilson Hall Cafe

Friday, Aug. 20

- Breakfast: Chorizo burrito
- Old fashioned ham & bean soup
- Philly-style chicken
- Chicken pot pie
- Baked fish over rice
- Roasted veggie & provolone panini
- Assorted sliced pizza
- Baked potatoes

[Wilson Hall Cafe Menu](#)

Chez Leon

Wednesday, Aug. 25
Lunch

- Danish open face sandwiches
- Cucumber salad
- Caramel apple shortcake

Thursday, Aug. 26
Dinner

- Closed

[Chez Leon Menu](#)

Call x3524 to make your reservation.

Archives

[Fermilab Today](#)

[Result of the Week](#)

[Safety Tip of the Week](#)

[CMS Result of the Month](#)

[User University Profiles](#)

[ILC NewsLine](#)

Info

First COD students participate in summer internship at Fermilab

From **College of DuPage**, August 2010

Azeam Anjum (Naperville) and Paul Butkovich (Oakbrook Terrace) are the first science students from College of DuPage to participate in summer internships at Fermilab.

Although Anjum and Butkovich are working on different projects, they are both enjoying their experiences at the national laboratory in Batavia.

"This is a real project, and I need to do it properly," Anjum said. "I'm dealing with expensive equipment and making sure what's being calculated is factual. It's fun and gratifying."

"I was nervous on my first day," Butkovich added. "You're surrounded by physicists and scientists who have large reputations. I didn't understand half of what they were talking about at first, but I picked it up on the fly and learned to speak their language."

Anjum is participating on several projects at Fermilab. One deals with a re-accelerator that involves inductive output tubes, or IOTs, which TV stations once used to broadcast analog signals. Fermi is taking these tubes and using them to power superconductor radio frequency cavities for a future accelerator.

[Read more](#)

In the News

Closing in on the inflaton, mother of the universe

From **New Scientist**, Aug. 19, 2010

The inflaton particle is credited with generating the universe and fuelling its inflation. It has yet to be discovered, but it is fast running out of hiding places, thanks to the theoretical framework known as supersymmetry (SUSY).

Enormous and mainly extinct, supersymmetric particles are the dinosaurs of particle physics. Each of these "sparticles" is the partner of a known particle, and they have already solved several cosmological problems, including smoothing the way for a long-sought grand unified theory of physics.

Now two theories suggest that some sparticles might also be components of the elusive inflaton, which is thought to have driven space-time apart at the dawn of the universe.

If either theory turns out to be correct, it would constitute

Fermilab's first cryomodule test facility will consist of two new structures adjacent to NML. One will house the testing area and the other will house the compressor for the test area's refrigerator.

Fermilab has been working for years to develop the new infrastructure it takes to build and test superconducting radio-frequency cavities, said Jay Theilacker of Fermilab's Accelerator Division.

"Our future is going to involve machines that have SRF cavities in them," Theilacker said. "Building this new facility is an important step."

-- **Kathryn Grim**

Announcements

Latest Announcements

[CNAS, Sunflower and Procard unavailable - Saturday, Aug. 28](#)

[Sign up for fall Science Adventures](#)

[Fermilab Procard System - New link starting Monday, Aug. 30](#)

[Performance Review briefing - Aug. 25](#)

[Looking for league bowlers](#)

[Applications for URA Visiting Scholars Awards due today](#)

[Today marks deadline for The University of Chicago Tuition Remission Program](#)

[Fermilab Lecture Series presents "A Croc Odyssey: Speedy Gallopers with a Taste for Dinosaur"](#)

[International Folk Dancing in Ramsey Auditorium through Sept. 2](#)

[Scottish country dancing in Ramsey Auditorium through Aug. 31](#)

[Fermilab Time and Labor system downtime from noon Aug. 21 until 5 p. m. Aug. 22](#)

[Fermilab blood drive Aug. 30 and 31 \(walk in only\)](#)

[Argentine Tango, Wednesdays through Aug. 25](#)

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www.fnal.gov/today/

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today@fnal.gov

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a first glimpse of the cosmic process of inflation. What's more, one of the new theories will soon be put to the test by collisions occurring at the Large Hadron Collider (LHC) at CERN near Geneva, Switzerland.

[Read more](#)

[Bristol Renaissance Faire discount](#)

[Regal Movie Theater discount tickets available](#)

[What's New with NI and the latest version of LabVIEW \(NI Week highlights\)? - today](#)

[Gizmo Guys - Fermilab Arts Series - Sept. 25](#)

[Submit an announcement](#)

Classifieds

Find new [classified ads](#) on *Fermilab Today*.