

Calendar

[Have a safe day!](#)

Wednesday, June 16
3:30 p.m.
DIRECTOR'S COFFEE BREAK
4 p.m.
[Fermilab Colloquium](#) - One West
Speaker: Hari Manoharan, Stanford University
Title: Quantum Imaging of Dirac Materials

Thursday, June 17
2:30 p.m.
[Theoretical Physics Seminar](#) - Curia II
Speaker: Arvind Rajaraman, University of California, Irvine
Title: Searching for the Fourth Generation at LEP, Tevatron and the LHC
3:30 p.m.
DIRECTOR'S COFFEE BREAK - 2nd Flr X-Over

THERE WILL BE NO ACCELERATOR PHYSICS AND TECHNOLOGY SEMINAR TODAY

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

[Upcoming conferences](#)

Campaigns

[Take Five](#)

[Tune IT Up](#)

H1N1 Flu

For information about H1N1, visit Fermilab's flu information [site](#).

Feature

Students report: Fermilab good for the nation, area



A view of Fermilab from above, looking at the Tevatron.

Children have a knack for saying the uncensored truth, even when you don't want to hear it. So when a Batavia teacher asked to let her students put Fermilab under a microscope and question some of its scientists, no one was quite sure what would result.

It turns out that the students dug deep and had a lot of diverse and positive things to say about the physics laboratory many of their friends only vaguely realize resides nearby.

The eighth-grade honors science class at Rotolo Middle School in Batavia undertakes a problem-based learning project that requires students to look at a topic or institution and determine what problem the group faces, turn it into a question and then answer that question. The group chose Fermilab and after reviewing media about the laboratory posed the question: Is Fermilab still needed? To get at the answer, they examined whether the world needs high-energy particle physics research and, if so, whether it needs to occur at Fermilab.

Students broke into about six teams to research the laboratory's past discoveries, future plans and the state of particle physics in the United States and as a global endeavor. They also weighed how Fermilab melds with the surrounding community economically, environmentally and educationally.

The unanimous answer from all of the research teams was a resounding: "Yes, Fermilab is needed."

From the Particle Physics Division

Fermilab summer program

Mike Lindgren, acting head of the Particle Physics Division, wrote this week's column.

Summer is my favorite time of year at Fermilab. But this is not because of the rush of scientists preparing for summer conferences, the work in the experimental halls during the accelerator shutdown, or the warm weather and long hours of sunlight. It's because of the inrush of young people coming to Fermilab to spend the summer getting hands-on experience in physics. To me, there is something tremendously uplifting in knowing that there are so many great young people who are willing to invest the hard work that it takes to contribute to our science.



Mike Lindgren

In PPD, our summer workers include high school students for whom this is a first work experience, undergraduate and graduate students from around the world who work on their first physics experiments, and high school science teachers who learn experimental techniques and gain an appreciation of research. They all learn new things, and while they learn they contribute to the research and education goals of our laboratory.

The planning process for the arrival of our summer guests starts months before summer begins. Our administrative staff works with WDRS to set up the program while scientists and engineers review the applications and select candidates. We then need to find office space and meet computing needs. In some cases, we also help rent apartments and cars. For our foreign visitors, we provide invitation letters and other information so that they can receive the necessary visas. Many people pitch in to make sure that each person gets off to a good start when they show up on their first day of work.

Most importantly, we look for mentors who have interesting projects, are willing to be

Weather

 Mostly sunny
83°/60°

[Extended Forecast](#)

[Weather at Fermilab](#)

Current Security Status

[Secon Level 3](#)

Wilson Hall Cafe

Wednesday, June 16
- Breakfast: English muffin sandwich
- Portobello harvest grain
- Santa Fe chicken quesadilla
- Hoisin chicken
- Smart cuisine: Parmesan fish
- Cuban panini
- Assorted slice pizza
- Cavatappia pasta w/Italian sausage

[Wilson Hall Cafe Menu](#)

Chez Leon

Wednesday, June 16
Lunch
- Spicy sausage and cheese stuffed portobello mushroom
- Baby greens w/mango and marinated onions
- Fruit tart

Thursday, June 17
Dinner
- BOOKED

[Chez Leon Menu](#)

Call x3524 to make your reservation.

Archives

You can learn how and why the students arrived at this conclusion by watching a series of brief presentations given to the Fermilab Community Advisory Board in May. The students talked of the need to do science that will help them better understand more the world around them, the jobs the laboratory creates throughout the area, the desire to keep the United States a leader in science and innovation, the site's ecological value and the technological spin-offs that the research tools lead to, including cancer treatment and smaller computers.

"It is so great to say that we have a place of science and environment and education almost in our backyards," said one of the students. "How many people can say that?"

View the presentations in six -to 10-minute videos: [Part 1](#), [Part 2](#), [Part 3](#) and [Part 4](#)

-- *Tona Kunz*

Photo of the Day

New employees - June 7



Front row from left - Moriah Tobin, Cindy Joe, Candice Love, Liana Nicklaus, Virginia Melanson, Nathan Bremer, Steve Krave, Paige Rogers, Sonia Peterson; Second row from left - Holly Batchelor, Deshpreet Bedi, Sandoval Daniel, Krithin Sitaram, Jenny Bauer, Anna Ryszkiewicz, James Mayoh, Marissa Kobar; Third row from left - Karl Dahlman, Alexander Morris, Chris Gong, Carrie LaFreniere, Ramesh Adhikari, Kierstin Daviau, Daniel Klein, Katheryn French, Jared Brammer; Fourth row from left - Robert Bartlett, Ryan Hooper, Logan Maingi, Antonios Varelas, John Stogin, Raymond Co, Zoe Evans, Jonathan Oderinde, Tom Schmit, Bruno Villasenor, Scott Stackley.

In the News

responsible for the training that their summer guests might need and will make safety a top priority. It takes a good deal of time to do the job right. That so many people across the laboratory make this commitment year after year tells me that it is a rewarding one.

My thanks go out to all who make this summer program here possible. Have a great summer!

Safety Update

ES&H weekly report, June 15

This week's safety report, compiled by the Fermilab ES&H section, includes three reported injuries. One injury was recordable and another required first aid. The third was not recordable, and involved a pre-existing condition. Find the full report [here](#).

[Safety report archive](#)

Announcements

Latest Announcements

[English country dancing this Sunday, June 20](#)

[10,000 Steps-a-Day heart rate watch winner](#)

[Time to complete accomplishment reports](#)

[Attention Fermilab employees with 30 or more years of service](#)

[Submit FTL timecards by Friday, June 18](#)

[Argentine Tango, Wednesday, June 16 to 30](#)

[SciTech summer camps start today](#)

[Drug Sniffing Dogs at Users' Center - June 18](#)

[Deadline for The University of Chicago Tuition Remission Program - June 25](#)

[Adult water aerobics - Mondays](#)

[Adult swim lessons - Mondays](#)

[Learn about green science in](#)

[Fermilab Today](#)[Result of the Week](#)[Safety Tip of the Week](#)[CMS Result of the Month](#)[User University Profiles](#)[ILC NewsLine](#)**Info****Fermilab Today**

is online at:

www.fnal.gov/today/

Send comments and

suggestions to:

today@fnal.gov

Visit the Fermilab

[home page](#)[Unsubscribe](#) from *Fermilab**Today*

Why the U.S. must lead in supercomputing

Op e-ed piece by DOE Under Secretary for Science Steve Koonin in the **San Francisco Chronicle**, June 14, 2010

China officially claimed the world's second-fastest computer earlier this month. China was in fifth place just six months ago - and is expected to have the world's fastest machine by year's end. While its systems currently rely on U.S. components, China is already constructing comparable machines using its domestic technology. These challenges to U. S. leadership in supercomputing and chip design threaten our country's economic future.

[Read more](#)**In the News**

Three nerds walk into a bar...

From *symmetry breaking*, June 15, 2010

Forty-odd Chicagoans gathered in a bar on June 3, not to watch the Blackhawks in the Stanley Cup finals, but to hear Jason St. John talk about particle colliders, the Standard Model and how the Large Hadron Collider won't be the end of us all.

His lecture was part of Chicago's inaugural Nerd Nite, a monthly series of informal talks intended to educate and entertain the community's "lay nerds," as St. John describes them, while they kick back with beers and martinis.

[Read more](#)[Nature's Power Lab, a Science Adventure](#)[Bike to Work Week - June 12-18](#)[Blood drive - June 21 and 22](#)[Ask HR: 15th floor visits PPD - SiDet on Wednesday, June 16](#)[Ask HR: 15th floor visits FESS - Site 38 on Tuesday, June 22](#)[10,000 Steps-a-Day walking program](#)[Fermilab Arts Series presents Corky Siegel and Chamber Blues - June 26](#)[Sign up for summer Science Adventures classes](#)[Introduction to LabVIEW course - July 13](#)[Embedded Design with LabVIEW FPGA and CompactRIO seminar - July 13](#)[Interaction Management Coaching Forum - July 27](#)[Submit an announcement](#)