

Calendar

Friday, October 22

3:30 p.m. DIRECTOR'S COFFEE

BREAK - 2nd Flr X-Over

4:00 p.m. Joint

Experimental/Theoretical Physics

Seminar - 1 West

Speaker: A. Nelson, University of Washington

Title: Dark Energy from Mass Varying Neutrinos, and Neutrino Oscillations

8:00 p.m. Fermilab Lecture Series - Auditorium

Speaker: T. Wittman, The School of the Art Institute of Chicago

Title: A Confluence of Art, Science, and Economic Practicality: The Development of the Skyscraper

(Tickets: \$5)

Monday, October 25

2:30 p.m. Particle Astrophysics

Seminar - Curia II

Speaker: N. Sugiyama, National Astronomical Observatory

Title: Small Scale Density

Perturbations: Role of Baryons

3:30 p.m. DIRECTOR'S COFFEE

BREAK - 2nd Flr X-Over

4:00 p.m. All Experimenter's Meeting - Curia II

Special Topic: Neutron Therapy Facility

Wilson Hall Cafe

Fermilab Lecture Series: Skyscrapers



Hancock Tower in Chicago

Pioneering architects, many of whom worked in Chicago, experimented with art, technology and economics in the late 19th and early 20th centuries and came to realize an entirely new building form: the skyscraper.

Timothy N. Wittman, Adjunct Professor of Architectural History & Historic Preservation of the School of the Art Institute of Chicago, will explore that historic development in a talk entitled "A Confluence of Art, Science, and Economic Practicality: The Development of the Skyscraper," on Friday, October 22, 2004 in Fermilab's Ramsey Auditorium, beginning at 8 p.m. Admission is \$5.

Modern architecture has developed as the result of a variety of influences, including theories of art and culture and evolving technologies of many kinds. While this might be said of any art form, architecture has an additional, unique relationship that does not exist for the other visual and plastic arts: it is also real estate. Architects must balance the needs of

What's Up with the ILC?

The nineteenth in a series of Fermilab Today stories on the International Linear Collider. The entire series is [available online](#).

ILC-Americas Workshop at SLAC Sets Pace For Meeting Season



Stanford Linear Accelerator Center, site of the ILC-Americas Workshop

Preparations for a proposed International Linear Collider took another significant step with the ILC-Americas Workshop held Oct. 14-16 at SLAC, as collaborators from the U.S., Canada and Mexico begin exploring the technical and design issues arising from the ILC Steering Committee's endorsement of superconducting or "cold" technology.

"This first meeting of ILC-Americas was very successful and well attended," said Shekhar Mishra, Head of ILC Efforts at Fermilab. "People from the previous two technologies [L-Band and X-band] came together with a true spirit of collaboration to discuss the issues, how to move forward and build the ILC on a realistic timescale."

Friday, October 22

Beef Pepper Pot

Buffalo Chicken Wings \$4.75

Cajun Breaded Catfish \$3.75

Spaghetti with Meat Sauce \$3.75

Honey Mustard Ham & Swiss Panini
\$4.75

Double Stuffed Pizza \$3.25

Carved Turkey \$4.75

[Wilson Hall Cafe Menu](#)

[Chez Leon](#)

Weather



Breezy 65°/57°

[Extended Forecast](#)

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many people who have a stake in the outcome of their work: structural engineers, city building regulators, developers, mortgage holders, and clients all want and need to achieve their goals, while, hopefully, the designers can manifest their vision of what any building can be.

For 12 years, Wittman was a preservation specialist with the Commission on Chicago Landmarks. He was co-author of the award-winning Chicago Historic Resources Survey, the most complete inventory of historic buildings, sites, objects and neighborhoods ever undertaken in an American city.
[more information](#)

One Impressive Catch



At lunchtime on October 20th, Fermilab employee Craig Mohler of Business Services made the catch of a life time. He caught this big large-mouth bass in Swan Lake, right next to Wilson Hall. It measured over 22 inches long.

In the News

The Workshop, sponsored by the U.S. Linear Collider Steering Committee, held discussions at SLAC organized around six working groups: Overall Design, including civil construction, instrumentation and controls, and reliability; Main Linac, including system optimization, beam dynamics, and operations; Injector, including damping rings, positron source, and polarization; Beam Delivery System, including collimator, final focus, and machine-detector interface; High Gradient Cavities, including cavity design and fabrication, Cryomodule engineering and industrialization; and Communications and Outreach, including strategic communication, identifying and defining audiences, and the role of public participation.

"It was great to see that SLAC accelerator physicists were completely focused on the helping solve the myriad outstanding and challenging problems we face," said Nigel Lockyer, Professor at the University of Pennsylvania. "The ILC program in the US cannot survive without a full team effort, and SLAC brings so much to the table in terms of experience."

The ILC Steering Committee will hold an international workshop Nov. 13-15 at the High Energy Accelerator Research Organization (KEK) in Tsukuba, Japan.

Announcements

From *Science News*, October 16, 2004

What's Wrong with This Picture?

Educating via analyses of science in movies and TV

By Sid Perkins

The arrival of a new ice age in a matter of weeks? Setting the Earth's core rotating with a few nuclear bombs? Fault zones that gape open to swallow people, speeding trains, and even small towns? "Get real," say earth scientists decrying the recent movies "The Day after Tomorrow" and "The Core" and the TV miniseries "10.5." For years, scientists have worried that inaccurate science on both big and small screens misinforms viewers who may not distinguish what's fiction and what's fact. However, some scientists see opportunities in even the most outlandish films and television shows. To dispel popular misconceptions about science, educators are teasing out shreds of scientific truth hidden within the fiction, and scientists are using unredeemably inaccurate scenes as ways to attract public attention to genuine scientific concepts.

[Read more](#)

Two Folksy Halloween Parties
Silk & Thistle Scottish Country Dancing will hold a Halloween Party at 7:30 p.m., Tuesday, October 26, while the International Folk Dancing Halloween party will be at 7:30 p.m. Thursday, October 28. Both parties will be at the Geneva American Legion Post, 22 South Second St. That's in downtown Geneva, one block west of Route 31 and one block south of Route 38, across from the Geneva Public Library. Costumes and treats are encouraged. Newcomers are always welcome. Info at 630-584-0825 or 630-840-8194 or folkdance@fnal.gov.

GSA Halloween Party

The GSA will host their annual Halloween costume party on the evening of Friday, October 29 in the Kuhn Barn. Prizes will be awarded for the best costume. Food and drinks will be served. And back by popular demand, apple bobbing will also be available.

[more information](#)

New Classified Ads Posted on Fermilab Today

New [classified ads](#) have been posted on Fermilab Today. A permanent link to the classifieds is located in the bottom left corner of *Fermilab Today*.

Volleyball League

There will be a Captains Meeting in the Cafeteria at noon on Monday, October 25

Power Outage News

MI-65

October 25 – Power will be off to the MI-65 service building and tunnel for 5

hours starting at 2 PM on Monday.

MI-40

October 27 – The power will be off to the MI-40 service building and tunnel for three and a half hours starting at 8:30 AM on Wednesday.

The Village

October 30 - Power will be off in the Village from 7:00 a.m. to 3:30 p.m. A power outage originally scheduled for October 23 has been canceled.

[Upcoming Activities](#)