Fermilab Today

Tuesday, March 13, 2007

Calendar

Tue., March 13
3:30 p.m. DIRECTOR'S COFFEE BREAK - 2nd Flr Crossover
4:00 p.m. Accelerator Physics and Technology Seminar - 1 West
Speaker: D. Li, Lawrence Berkeley National Laboratory
Title: Normal Conducting RF Cavity R&D for Neutrino Factory or Muon Collider

Wed., March 14
11:00 a.m. Fermilab ILC R&D Meeting - 1 West
Speaker: PJ. Hewett, Stanford Linear Accelerator Center
Title: Recent Studies of New Physics Sensitivity and Background Rejection with the SiD Detector at the ILC
12:00 p.m. Wellness Works Brown Bag Seminar - Curia II
Speaker: B. Hatipoglu (Medical Doctor)
Title: A Healthy View of Diabetes
2:00 p.m. Special Accelerator Physics and Technology Seminar - Curia II
Speaker: D. Marreiro, Illinois Institute of Technology
Title: The Efficient Particle-Based Simulation of Ion Channels
3:30 p.m. DIRECTOR'S COFFEE BREAK - 2nd Flr X-Over
4:00 p.m. Fermilab Colloquium - 1 West
Speaker: C. Forest, University of Wisconsin, Madison
Title: Turbulent Liquid Metal Dynamo Experiments

Click here for NALCAL, a weekly calendar with links to additional information.

Weather

Feature

New editor joins *symmetry*

Glennda Chui comes to *symmetry* after more than 20 years as a science writer at the San Jose Mercury News.

The joint Fermilab/SLAC particle physics magazine, *symmetry*, has recently added a new editor to its staff: Glennda Chui became the publication's deputy editor last Monday. Chui has worked as a science writer at the San Jose Mercury News for 21 years and shared a Pulitzer Prize for her coverage of the 1991 Loma Prieta earthquake in the San Francisco Bay area.

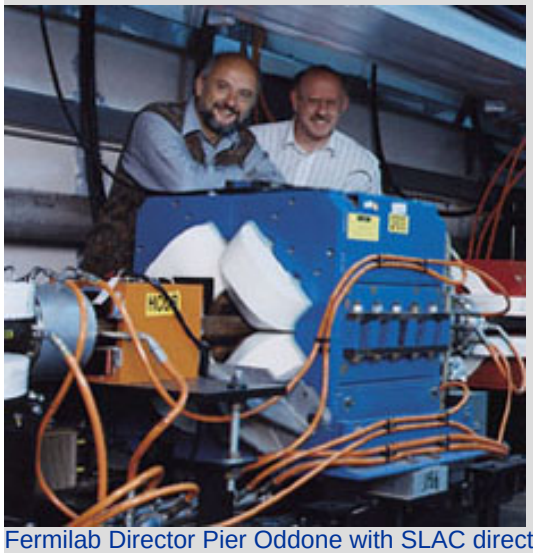
A native of California, Chui received a bachelor's degree in biology from California State University at Hayward and a master's in journalism at the University of California at Berkeley. She began her career as a staff reporter for the Mercury News in 1984, where she covered education, but within two years she became the newspaper's full-time science writer. "I kind of weaseled my way into science writing," she said.

In addition to researching, writing and editing articles, Chui is also excited about working with the graphics team that designs *symmetry's* signature style. Although she has covered particle physics news stories in the past, she is eager to delve deeper into the particle world. "I'm really looking forward to getting out and meeting people in the physics community and learning what they're doing," she said.

Currently Chui serves on the board of directors of the National Association of Science Writers, teaches at the University of California at Santa Cruz's science writing

Director's Corner

Dedication



Fermilab Director Pier Oddone with SLAC director Jonathan Dorfan in the accelerator tunnel at SLAC.

Yesterday Jonathan Dorfan announced that he would step down as Director of SLAC this coming fall. As always with Jonathan, this decision is based on strongly held principles. The upcoming competition for the management of SLAC would have required Jonathan to commit to a term of at least five years beyond the start of the new contract in 2009. This would carry him to a record tenure for modern DOE lab directors and far beyond the time that Jonathan considers to be healthy for any major scientific institution.

Jonathan is an extraordinary leader for our field and for our sister institution SLAC. Through the many years that we have been friends and colleagues, I have witnessed firsthand Jonathan's great leadership abilities and his adherence to the highest principles in anything he tackles. It is easy to cite his many accomplishments. As director of the Asymmetric B-Factory project he delivered a superb accelerator and detector that have exceeded all expectations. He launched the Kavli Astrophysics Center and recruited the top leadership in the field. He has led the development of the ILC both as SLAC director and during his term as chairman of ICFA. He has led the transition at SLAC to a primary role in photon science with an upgraded SPEAR and the first x-ray free-electron laser in the world, the LCLS, while maintaining a key role in particle physics and a leading role

Partly Cloudy 71°/47°

Extended Forecast
Weather at Fermilab

Current Security Status

Secon Level 3

Wilson Hall Cafe

Tuesday, March 13

Wilson Hall Cafe Menu

Chez Leon

Wednesday, March 14
Lunch
-Beef Fajitas
-Pico de Gallo
-Rice and Beans
-Rum Pecan Cake

Thursday, March 15
Dinner
-Fontina and Prosciutto Crepes
-Scampi with Fettuccine
-Apricot Tart

Chez Leon Menu
Call x4598 to make your reservation.

Archives

Fermilab Today

Result of the Week

Safety Tip of the Week

ILC NewsLine

Info

Fermilab Today is online at:
www.fnal.gov/today/

Send comments and suggestions to:
today@fnal.gov

program, and spends her free time with her son and daughter. She will work closely with *symmetry* editor-in-chief David Harris and make regular visits to Fermilab. "We're very excited to have a journalist of Glennda's skill and experience joining the *symmetry* team," Harris said.

--Christine Buckley

Feature

CD's Donna Lamore, FESS's Anne Lucietto and AD's Yun He participated in Argonne National Laboratory's "Introduce a Girl To Engineering Day" on February 22. Designed to familiarize 6th-to-8th-grade girls with career opportunities in engineering, this day-long event paired girls with mentors from engineering and math fields and included hands-on activities, experiments, and tours of Argonne's research facilities. Upon returning to school, each girl made a presentation to her classmates about the experience.

In the News

The Washington Times
March 8, 2007:

Ununified Theory: Expert quest to prove strings bind universe

The universe just might be hanging together by strings. Many scientists think that string theory, a unified theory of the universe, could unite quantum mechanics and general relativity.

Albert Einstein worked for many years to find such a theory but came up empty-handed, says Brian Greene, professor of physics and professor of mathematics at Columbia University in New York City. He holds a doctorate in physics.

"He articulated that it would be a single framework that could talk about things that are small, things that are big and so on," Mr.

in the development of the ILC.

Often lost in the praise for his many great achievements is how Jonathan has led and set an outstanding example in times of adversity. To cite just one example, the decision on the ILC technology to use superconducting cavities was contrary to the warm RF technology developed at SLAC for many years. Following what had to be a major disappointment, Jonathan showed his mettle in redirecting SLAC's efforts towards the SCRF technology, quickly establishing the leadership in the design of the ILC that culminated in the Reference Design Report released in Beijing last month. Even in private conversation I never heard him criticize the decision to use SCRF technology. Instead, he committed himself to do what was in the best interest of the field. He continues this approach with a commitment to build the ILC internationally and to make the case for hosting it at Fermilab.

We at Fermilab look forward to Jonathan's continued leadership and dedication to our field and to strengthening the ties with our many colleagues and friends at SLAC in order to build a bright future for particle physics.

Accelerator Update

March 9 - 12
- Three stores provided 53 hours and 23 minutes of luminosity
- Pbar tuning program needed reseting
- Pelletron suffers from communications problem
- TeV quenched just before store was to be established
- TeV and Pbar conduct four hours of maintenance on Monday

Read the Current Accelerator Update
Read the Early Bird Report
View the Tevatron Luminosity Charts

Announcements

Greene says. "Try as he might, he couldn't come up with a theory that would do that. String theory seems to do just want he wanted, to describe things that are big, fast, small, slow. The issue is that we don't know if it's right."

"String Theory: Brian Greene and Lawrence Krauss Debate" will take place at 7 p.m. March 28 at the National Museum of Natural History's Baird Auditorium in Northwest. The event is co-sponsored by the Smithsonian Associates and the Department of Energy's Office of Science, both in Southwest.

Read More

Brown Bag Seminar on Diabetes Care
Betul Hatipoglu, director of the Pancreas-Islet Transplantation Program for the University of Illinois at Chicago, will present a Brown Bag Seminar on advances in diabetes care on Wednesday, March 14. The seminar will be held in Curia II from noon to 1:00 p.m.

Folk Club Barn Dance
The Fermilab Folk Club will host a barn dance this Sunday, March 18 at 2:00 p.m. with music by the Joe Samojedny & Fred Campeau and calling by Paul Tyler.
Learn more

Couples country dance classes
The Recreation Office will offer couples country pattern dance classes taught by Randy and Mary Love from March 22 through April 26. Class is held on Thursdays in the Auditorium from 6:00-7:00 p.m. Cost for the six-week class is $30.00. Classes are open to beginners and intermediate dancers. Dances taught will include cha cha, blue rose, San Antonio stroll and rock'n'roll waltz. Registration can be made in the Recreation Office. The deadline to register is Friday, March 16. Recreation membership is not required.

The hunt for dark matter workshop
There will be a symposium on dark matter, focusing on collider, detector and indirect searches from May 10 to 12 at Fermilab. The organizers are currently accepting abstracts for the event. You can register and submit an abstract here, or contact an organizing committee member with questions.

Weight Watchers classes
The Recreation Office will offer a free informational meeting for weight watchers classes on Wednesday, 3/14/2007 at 12:00 p. m. in the WH15SW conference room. If an 18-person minimum is met, the program will being Wednesday, March 21 and will run until Wednesday, June 13. Cost for the 12 weeks + 1 free week is $144 per person and is payable by cash, check, any of the 4 major credit cards, or a 3 part payment. The regular weigh-in time will be 12:00 pm and meeting time will be 12:30 pm.

Upcoming Activities