

## Changes at DOE: O'Fallon, Staffin Take On New Roles

**Staffin to Head High Energy Physics Division; O'Fallon to Become Executive Assistant for International Planning**

By Nina Adelman Stolar

After 15 years as Director of the Office of Science Division of High Energy Physics (HEP), John O'Fallon has accepted the position of Executive Assistant for International and Interagency Planning, in the Office of the Associate Director for DOE's High Energy and Nuclear Physics (HENP). Robin Staffin has been appointed Acting Director for HEP. No stranger to SLAC, Staffin also continues in his capacity as Deputy Associate Director for HENP, a post he has held for two years.

With programmatic and budgetary responsibility for the Laboratory, our funding agency representatives work on our behalf in Washington D.C. to assure the best working environment and the best science are possible.

Staffin received his Ph.D. in High Energy Theory under SLAC's Sidney Drell. He served as Deputy Assistant Secretary for Research and Development in DOE's Office of Defense Programs, and was later appointed Senior Policy Advisor for Science and Technology and Scientific Advisor to the Secretary of Energy.

Peter Rosen, Office of Science Associate Director for HENP, said, "This unique range of experience has been of great value to us, and I am certain that our programs will continue to benefit from it while he assumes the additional duties of Acting Director of the HEP Division."

"The Stanford Site Office has worked successfully with Dr. Staffin ever since he became Deputy Associate Director for High Energy and Nuclear Physics," said Stanford Site Office Director John Muhlestein. "We welcome his participative leadership during a time of tight budgets,

outstanding science and significant third party financed building growth at the Laboratory. We welcome Robin to the SSO and SLAC and look forward to his continued contribution to the success of SLAC science."

Well known to the scientific community, O'Fallon played an instrumental role laying groundwork with CERN and setting the framework for U.S. scientists to continue research at the energy frontier at the LHC after the demise of the SSC. He oversaw the construction and running of the B Factory.

In his new position, O'Fallon has responsibilities centering around two major activities: designing, planning, and implementing LHC policies and activities for a DOE/NSF presence at CERN; and establishing other international projects proposed by the global high energy physics community.

"I would like to thank John for his nearly 15 years of distinguished service as Director of the Division of High Energy Physics," Rosen said.

"During his tenure, the program has produced extraordinary scientific achievements: the discovery of the top quark and the first observation of the tau neutrino at Fermilab; the first observation of CP violation in the B-meson system and the precision measurement of  $\sin 2\beta$  at SLAC; the discovery of dark energy at LBNL; the world's most precise measurement of  $g-2$  at the Brookhaven AGS; and the convincing evidence for atmospheric neutrino oscillations at SuperKamiokande."

"These breathtaking advances which literally define the state of our field all took place on his watch and stewardship," Rosen said. ●

## SLAC Users Take Their Case to Capitol Hill

By Neil Calder

"Tell me about the universe in one minute."

This was one of the many questions heard by Steve Sekula, one of the seven SLAC users who met with Senators, Representatives, Congressional Staffers and members of the administration in Washington

necessarily share our commitment to a science which can strike people outside the field as expensive, vague and ultimately inconsequential, even if they have a background in science. But it can be done. Practicing our message and delivery with Fermilab volunteers turned out to be a lot of fun, and it helped us hone our argument."



Photo by Neil Calder

The SLUO team before setting off for meetings with Congressional leaders (left to right): Steve Sekula (BABAR/U Wisconsin), Gabriella Sciolla (BABAR/MIT), Michael Wilson (BABAR/UCSC), Amanda Weinstein (EC/Stanford U), Teela Pulliam (BABAR/OSU), Chris Potter (BABAR/U Oregon) and Neil Calder (COM)

last week to present and promote the physical sciences and high energy physics.

"A big step forward was made this year by working closer with the Fermilab delegation," said Gabriella Sciolla. "The existence of a coherent message is crucial to the success of our mission. This effort must continue in the future."

"In meeting with staffers in Congressional offices, I was struck by how hard it is to convey the importance of HEP to people in influential positions," said Chris Potter.

"These staffers are very intelligent and dedicated people, but they do not

"Teela Pulliam and I had not expected to meet with Representative Farr, who represents the district in which UC Santa Cruz is located, personally," said Michael Wilson. "In particular, he wanted us to bring back the message that senior scientists need to visit congressional leaders on a regular basis to build relationships and ensure continued positive support."

Many thanks to our colleagues at Fermilab and to all at SLAC for working so hard to make this visit a success.

The message from Washington was clear—talk to us. ●

## Profile: Dieter Walz, Ultra Marathon Champion

By Linda DuShane White

Not many people can run a marathon. But even fewer can run an ultra marathon, or ultra, where distances start at 50 km and go up from there. Dieter Walz (EFD) not only runs them, he wins them.

Walz is an Engineering Physicist who first came to SLAC in 1963 when there was nothing but open space on the SLAC site. "Those were really special days," he says. "There was so much brainstorming."

Walz's work is wide ranging, "including beam line design, beam instrumentation, beam power absorbers, magnet technology, accelerator physics experiments checking out new acceleration concepts, generation of secondary particle beams and on it goes. It's my hobby."

Walz is also an avid runner. "I have been running all my life," he explained. "I ran in school in 100-meter races, and I always came in first."

"In 1947, right after World War II, the track program in our little town in Germany was starting up again. I was 12 years old. My dad came in one day and said, 'You are running on Sunday. They are starting the local track club again!'"

"And I did win in the youth division; there is nothing like winning to whet your appetite." He later ran in high school and afterwards on the track team at the University in Stuttgart.

While Walz entered short races in those days, it was unfathomable to him that he would ever run a marathon. Over the years, his distances got longer and longer, and he would find himself running 15

or 18 miles on weekend mornings. One morning in the Santa Cruz Mountains, Walz took a longer route, and ran 26 miles, a marathon, with no problem at all.

About 12 years ago, he decided to enter an ultra marathon. His first ultra race was the Stanford Centennial Celebration run from the stadium to the top of Windy Hill and all around the areas where he normally ran. He came in second in his age group, and the Stanford track coach said, "You ought to do that more often. You have talent."

In 1994, Walz entered his first Western States 100 Mile Endurance Run, often referred to as the 'Olympics' of Ultra Running. A grueling race, it is held each year in June, beginning at Squaw Valley, and ending in Auburn.

(See WALZ, page 2)

## Service Awards Recipients See Page 3

## 2003 Nuclear Science Symposium to Cover Diverse Range of Topics

By Thomas Glanzman

The Nuclear Science Symposium (NSS) is a meeting devoted to a wide range of technologies including detectors, electronics and computing used in High Energy and Nuclear Physics, as well as related fields in Nuclear Science. Bringing all of these topics together in one place helps to foster intercommunication and better integration between the disciplines.

To create even greater diversity, this year's NSS will be joined by the Medical Imaging Conference, the 13th International Workshop on Room-Temperature Semiconductor X-ray and Gamma-ray Detectors, and the Symposium on Nuclear Power Systems under one umbrella – the 2003 IEEE NSS/MIC/RTSD. In addition, there will be various short courses, satellite workshops and vendor exhibits.

This year's conference will be held October 21-24 in beautiful Portland, Oregon.

**Abstracts are due by May 16.**

If you are working in one or more of the topic areas, please consider sharing that work with your colleagues from around the world. This is a good opportunity to show a strong SLAC presence.

Please feel free to contact the SLAC members of the NSS Organizing Committee – Jerry Va'vra, Mike Woods or Tom Glanzman – with any questions. We hope to see you there!

For more information, please see the conference web site: <http://www.nss-mic.org/2003/nsshome2003.html>

Symposium topic areas include:

- Astrophysics and Space Instrumentation
- Beamline Instrumentation
- Data Acquisition and On-Line Analysis Systems
- Environmental Health and Safety Instrumentation
- Extensive Air Shower and Cerenkov Radiation Detectors
- Gas Detectors
- GPS Time Synchronization Systems
- High Energy Physics Instrumentation (incl. Muon Systems)
- Instrumentation for Biological Research (incl. DNA chips)
- Instrumentation for Radiation Medicine
- New Radiation Detectors
- Nuclear Measurements and Monitoring Techniques
- Nuclear Physics Instrumentation
- Photo Detectors and Radiation Imaging Detectors
- Radiation Damage Effects
- Scintillation Detectors
- Semiconductor Tracking and Spectroscopy Detectors
- Sensor Network System and Homeland Security
- Software and computing for detectors, computing GRID
- Trigger and Front-End Systems

## Walz

(continued from page 1)

The race has 17,000 feet of climbing and 23,000 feet of downhill along the spine of the Sierra Nevada according to the Racing the Planet web site. Yes, the first 100-mile race, you start at night at 6,200 feet and you go above 8,700 ft. There is snow, and it can get cold. There are streams to cross – sometimes raging from snow melt, and there are wild animals such as bears, cougars and rattlesnakes out there, though fortunately Walz never saw them. The canyons can get very hot in mid-afternoon, and Walz experienced temperatures up to 115 degrees F in the shade.

In 1995 Walz entered the U.S. National 100 km (62 miles) Championship along the American River near Sacramento and won in his age group. "I thought I could be competitive, but was nevertheless surprised at the result."

In 1998 he added the U.S. road 50-mile age group championship. In 2001 the 50-mile U.S. championship was run at Mt. Rainier in Washington, and Walz found the very mountainous course with over 9,000 feet of climb much to his liking, once again coming in first in his age group.

The year 2002 had more good 'outings' in store, including age-group firsts at both the 50 km U.S. Trail Championship, and the U.S. 24-hour Championship in Toledo, Ohio. But now it's a new year and one can't just sit on past achievements.

When asked how racing has changed since he began, Walz says that it has become more sophisticated. Equipment and clothing are much better, and sports drinks are constantly being researched and improved.

### Anyone Can Start Running

Walz says anyone interested in running can start doing it at any age, even if they lead a sedentary lifestyle.

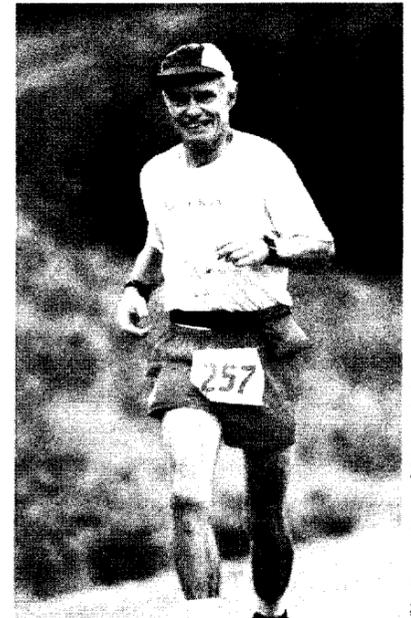


Photo courtesy of Dieter Walz

Dieter Walz (EFD) running the Headlands 50K

His advice is to start by walking half an hour 3 or 4 times a week for a month or so, then just go into a trot – a light jog – for a few minutes. In about a month it will feel more comfortable. Then just gradually increase the time and pace and occasionally put in a longer distance. It is time on your feet that counts. But you must take at least one day a week off to let the body recover, and stretching every day is mandatory.

Walz continues to run about six Ultras a year, ranging in distance from 30 to 100 miles, and has found that he much appreciates the athletic gratification of long distance running, but also other unexpected benefits in such a competitive sport.

The ultra running community is comprised of people of all ages and walks of life. It is like a special family with the feeling of camaraderie, which in many ways echoes the family feeling at SLAC that makes it such a special place to work.

For more information on Ultra Marathons see: <http://www.racingtheplanet.com/events/ultramarathon.asp>

## Medical Department Under New Contract

By Shawna Williams

On February 1, Sequoia Hospital dropped its contract to provide on-site medical care at SLAC. Dr. Maria Gherman stepped in immediately to ensure that on-site medical care would continue.

Her new company, Occupational Preventative Medicine Medical Associates (OPMMA), has been operating since the first of February and will continue to do so at least until September 30. Gherman, Nimfa Santos (registered nurse), and Lisette Cruz (Medical Assistant) and Vincent Valencia (Administrative Assistant) are the staff of OPMMA.

The hospital's decision put its four on-site medical center employees in "a difficult position," says Gherman. One will leave her SLAC post to keep her job at the hospital, while the other three will staff OPMMA. "It's a risky situation for everybody. We don't have a guarantee that we'll have a job October 1," Gherman says. That is the date a new contract will be awarded for the on-site medical department.

In the meantime, her goal is to make the transition as smooth as possible, and says patients probably haven't noticed the change. She hopes that if OPMMA wins the contract, next year's budget will allow for an expansion of the medical center staff.

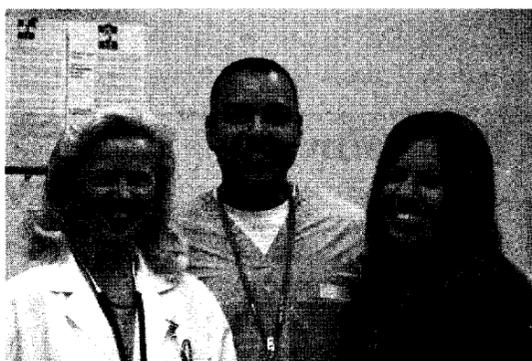


Photo by Diana Rogers

Some of the Medical Department staff (left to right): Maria Gherman, Vincent Valencia and Lisette Cruz

To give the medical staff an idea of what services staff at SLAC want or need, please fill out either the yellow survey form that was sent to all mail stops, or complete the web version at: <http://www-group.slac.stanford.edu/esh/medsurvey.htm>.

For further information, see <http://www.slac.stanford.edu/esh/medical/>

## 2003 SLAC Summer Student Program Now Accepting Employment Requisitions

By Lisa Mongetta

Spring is here and summer is not far away. It's time to start planning for the SLAC Summer Student Program.

Approximately 1,000 students have benefited over the years from their experiences working alongside professionals who have opened the way for them to see life in a scientific environment through the program.

Employment Services is now accepting Employment Requisitions for Summer Students, and urges departments to get them in as early as possible.

We would like to enlist your support in creating more opportunities for local students in the Bay Area. Each year, we receive over 100 applications from students who are enthusiastic about physics, biology, computer science, etc. They are ready and willing to do just about any type of work that you may need.

Applicants will be able to view listings for Summer Student jobs on our Employment website; and can apply on-line. This will enable the routing of soft-copy applications to the hiring managers, and a more efficient process overall.

Please contact Diedre Webb (Ext. 4744, [dee@slac.stanford.edu](mailto:dee@slac.stanford.edu)) Summer Student Program Administrator, or Lisa Mongetta (Ext. 2733, [mongetta@slac.stanford.edu](mailto:mongetta@slac.stanford.edu)) in Employment Services for complete program information.

We look forward to a rewarding Summer Student Program!

Check out the  
**Interaction Point  
Online Edition**

<http://www2.slac.stanford.edu/tip>

## Service Awards Dinner Honors Staff with Awards and Entertainment

By Carmella Huser

Fifty-four employees who have worked for Stanford and SLAC for 50, 40, 30 and 20 years were honored at the Annual Service Awards dinner held at the Faculty Club on March 19.

Jonathan Dorfan recognized these long-term employees for their dedication and importance to the successes at SLAC, and Greg Loew presented them with Stanford pins and gifts as a memento of their years of service.

The highlight of the evening was the presentation of a special 50-year award to Pief Panofsky. Stanford President John Hennessey sent congratulations to Panofsky and praised him for his distinguished career at Stanford and for his dedication and contributions to the University.

As a special gift from Stanford, Panofsky received a beautiful wooden Stanford chair. The tribute was topped off with a serenade by a

Scottish bagpiper, Walt Innes (Group E) who performed a song written especially for Panofsky.

The Scottish theme was part of the entertainment for the evening provided by Neil Calder, SLAC's Director of Communication. Dressed in full Scottish regalia, including a kilt, Calder entertained the 120 attendees at the dinner with a humorous view of SLAC from across the Atlantic and with hilarious scenes and recollections from his native Scotland. ●



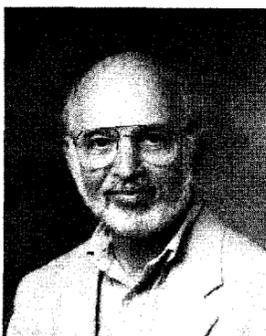
Photo by Diana Rogers

Twenty-year Service Award recipients (left to right): Charles Yoneda (KLY), Anthony Sanchez (SEM), Rafael Miranda (KLY), Fred Clay (SEM), Joanne Bogart (SLD), Dale Near (ESRD), Bill Brooks (SEM), Kathleen Thompson (ARDA), Paul Miller (AD), Michael Stanek (AD), Marc Ross (NLC), Piero Pianetta (ESRD), Michael Rowen (ESRD), James Hodggers (ESD), John Skinner (PUR), Michael Peskin (THP), John Escudero (PUR), Clair Stevens (WM), Charles Boenheim (SCS), Tom Glanzman (EC), John Seeman (AD), Dennis Wisinski (SCS), Ernest Denys (BAS).  
Not pictured: Rod Harrison (BLS), Alfonso Jones (PRC), Matthew McCulloch (EB), Valery Nesterov (ESD), Robert Strohecker (BU), Chuck Taniguchi (PUR), Roman Tatchyn (ASD)

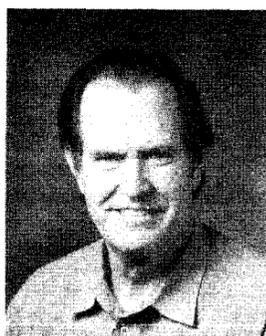
## 30, 40 and 50 Year Service Award Recipients



Clyde Barker (ESD), 30 years



Martin Breidenbach (SLD), 30 years



Michael J. Browne (ESD), 40 years



Jean Francis (PEL), 40 years



Edward Garwin (PEL), 40 years



Edouardo Guerra (ESRD), 30 years



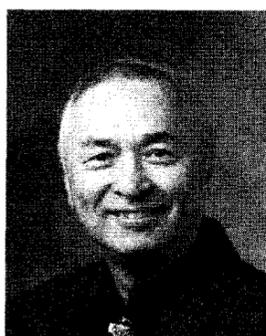
C. Robert Hall (EFD), 30 years



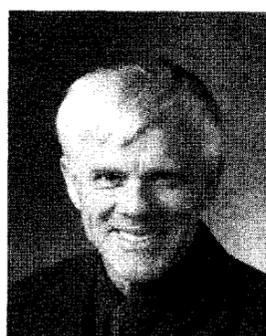
Harold Harvey (ESD), 30 years



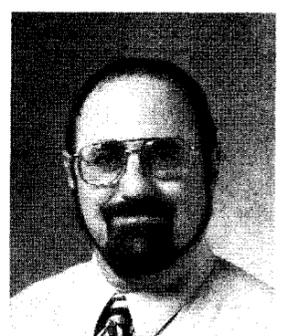
Bill Hermannsfeldt (ARDA), 40 years



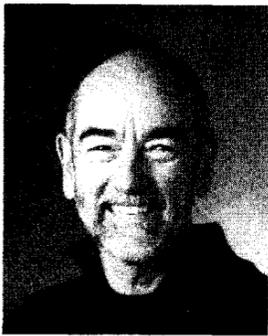
Martin Lee (ARDA), 40 years



Ingolf Lindau (SSRL), 30 years



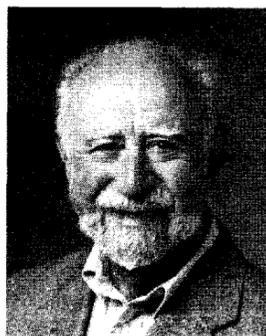
James Lipari (ESD), 30 years



Kenneth Moffeit (EA), 30 years



H. Pierre Noyes (THP), 40 years



Allen Odian (SLD), 40 years



Raymond Ortiz (ASD), 30 years



Alfonso Pacheco (PRC), 30 years



Pief Panofsky (DO), 50 years



Ewan Paterson (TD), 30 years



Richard Taylor (EA), 40 years



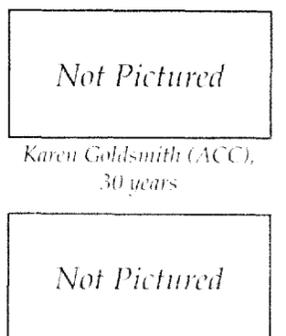
Carleton Washington (OHP), 30 years



William Weeks (SCS), 30 years

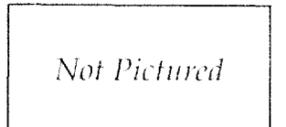


Marcim Weinstein (THP), 30 years



Not Pictured

Karen Goldsmith (ACC), 30 years



Not Pictured

Theatris (Ron) Johnson (SEC), 30 years

## Warmer Weather Brings Traffic Issues into Focus

By Joseph Kenny

With the return of spring come the bicyclists, runners and pedestrians who shed their cars and jackets to enjoy the glorious weather. At this time of year we should all take special care to avoid accidents between these folks and motorized vehicles. Here are a few tips to help keep those on feet and two wheels safe:

### Obey traffic signs and signals.

At places like our Main Gate, our cyclists or drivers may be tempted to take full advantage of gravity by sticking closely to the right and, without stopping, glide speedily onto eastbound Sand Hill Road. This may be done legally when the light is green, but it is never a wise thing to do. Bikes coming down Sand Hill, a stalled car or some other obstruction could occupy the shoulder.

**Cross at crosswalks.** The safest way to get you and your bicycle across Sand Hill Road is to walk it across as a pedestrian. And the safest way to get across as a pedestrian (runners included) is to wait for the walk signal, then use the

crosswalk. Dashing across roadways — especially where motorists are not expecting you — can put you in great peril.

**Keep your eyes open.** Motorists do your best to stay aware of bicyclists and pedestrians around you. Don't assume that they will act predictably. Keep your windows clean, and wear sunglasses during dawn and dusk when sunlight can obscure vision. Bicyclists — watch for obstructions, potholes and other trouble spots that could force you into traffic.

**Make eye contact.** Bikers and pedestrians should always make eye contact with the person behind the wheel of a motor vehicle before going in front of it. Motorists should do the same, to let bikers and pedestrians know that you know they are there.

**Everyone:** Enjoy spring and do your part to make sure others can do the same!

For more info on traffic safety, see <http://www.slac.stanford.edu/esh/eshmanual/ESHch13.pdf>

## Stanford Community Day to Feature Events, Displays

By Emily Ball

Everyone is invited to the second Stanford Community Day on Sunday, April 6, from 10:00 a.m. to 4:00 p.m.

"This free open house, designed for both the campus community and the residents of the community surrounding the university, promises again to be enjoyable and informative," says John Hennessy, Stanford University President. "Even during these challenging times, it is important for us to gather as a

Lab," said Nina Stolar, Public Affairs Manager. "Many of the attendees don't know who we are or what we do, but with scientists and staff on hand to explain the value of high energy physics in today's scientific arena, we hope to talk with a lot of our neighbors."

SLAC will present displays and demonstrations about physics including the Bed of Nails, Gyroscope, Soda Bottle Physics, Cryogenics Magic Show and more! Sharing space in the Science Area



Visitors to last year's SLAC display discover the fun of science

## ATM To Be Relocated to the Cafeteria/Auditorium Breezeway

On Wednesday, April 9, the Stanford Federal Credit Union ATM machine will be relocated to the Breezeway between the Cafeteria and the Auditorium. It is currently housed in the A&E Building.

Relocating the ATM will make it more accessible to the SLAC community. The Breezeway is centrally located and is accessible outside of normal

working hours. This location will make the ATM convenient for those using the Guest House.

The ATM will be unavailable for use from 9:00 am to 12 noon on April 9 while the relocation is taking place.

Any questions? Contact Rick Challman, Ext. 3004, [challman@slac.stanford.edu](mailto:challman@slac.stanford.edu)

community and to remember what binds us as people working and living in the Peninsula area."

Music, arts, athletic events, a children's community carnival and health fair will be featured. In addition, there will be awe-inspiring scientific displays from organizations like SLAC. "This is a great opportunity for SLAC to inform Stanford University and the surrounding neighbors about the

will be Gravity Probe B, the Stanford/NASA mission to space that is scheduled to launch later this year. Gravity Probe B will test Einstein's theory of relativity using, among other tools, the world's most precise gyroscope.

For more information on Stanford Community Day, see: <http://www.stanford.edu/dept/news/neighbors/communityday/>

## MILESTONES

### Retirees

Johnson, Lester (ESD), 3/31  
Nelson, Ruth Thor (HR), 4/4  
Putallaz, Gerard (REG), 4/30

### Deceased

Crehore, Jan (MD), on March 29, 2003  
Curtis, Dan (formerly with EFD), on March 26, 2003

To submit a Milestone, see: <http://www.slac.stanford.edu/pubs/tip/milestoneindex.html>

See Awards and Honors at: <http://www.slac.stanford.edu/slac/award/>

## Spring Forward

Daylight Savings Time begins Sunday, April 6 at 2:00 a.m.

Turn your clocks forward one hour and you won't miss Community Day!

## Upcoming Events

Sun., April 6, 10:00 a.m. - 4:00 p.m.  
Stanford Community Day  
(see article above)

Tues. April 8, 4:15 p.m.  
Stanford, SEQ 201, (Refreshments-4:00, Physics Coffee Rm)  
STANFORD APPLIED PHYSICS/PHYSICS DEPT COLLOQUIUM  
Gary Hinshaw, NASA  
"Taking the Measure of the Universe: Cosmology from the WMAP Mission"

Wed. April 9, 4:15 p.m.  
SLAC, Orange Room, (Refreshments-4:00)  
SLAC ASTROPHYSICS SEMINAR  
David Whittman, Bell Labs/Lucent  
"The Deep Lens Survey"

Fri. April 11, 10:30 a.m.  
LBNL, Bldg 71, Rm 264, (Refreshments-10:20)  
LBNL BEAM PHYSICS SEMINAR  
John Byrd, LBNL  
"Coherent Synchrotron Radiation in Electron Storage Rings"

Fri. April 18, 9 a.m.-4 p.m.  
SLAC, Redwood Rooms  
SLAC SCENARIOS STUDY SEMINAR  
"Neutrino Physics Day" Talks by Boris Kayser (Fermilab), Gary Feldman (Harvard), Stan Wojcicki (Stanford), Stuart Freedman (LBNL), Charles Prescott (SLAC) followed by Town Meeting  
(<http://www-project.slac.stanford.edu/lc/local/scenario/>)

Mon. April 21, 4:15 p.m.  
SLAC, Panofsky Auditorium, (Refreshments-3:45)  
SLAC DEPARTMENTAL COLLOQUIUM  
Robert J. Goldston, PPPL  
"Scientific Progress in Magnetic Fusion, ITER and the Fusion Development Path"

Please send additions to: [seminars@slac.stanford.edu](mailto:seminars@slac.stanford.edu)

For complete event listings, see: <http://www.slac.stanford.edu/grp/pao/seminar.html>

## The Interaction Point

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