

At PPPL THIS WEEK

TUESDAY, MAY 7

Science Action Video Contest awards featuring videos

7 to 9:00 p.m. ♦ Lewis Thomas Laboratory Auditorium, Washington Road, Princeton University.

WEDNESDAY, MAY 8

PPPL Colloquium

4:15 p.m. ♦ MBG Auditorium

The Alfvénic Motions of the Sun's Outer Atmosphere

Scott McIntosh, National Center for Atmospheric Research (NCAR)

THURSDAY, MAY 9

Art show reception for Princeton University art student Laura Preston featuring paintings of PPPL

7 to 9:00 p.m. ♦ The Lewis Center for the Arts' Lucas Gallery, 185 Nassau St., Princeton University

FRIDAY, MAY 10

Just Breathe: Mindfulness Series at PPPL

12 to 12:30 p.m. ♦ Furth Library

Learn to quiet the mind and slow down. No registration is required.

UPCOMING EVENTS...

MAY 13

PPPL Research Meeting

1:30 p.m. ♦ MBG Auditorium

The meeting can be viewed remotely at http://mediacentral.princeton.edu/id/O_o9krporj.

June 1

PPPL Open House

9 a.m. - 4 p.m.

Inside...



Communi-versity
page 3



Science Education Salutes Volunteers.....
page 5



Fusion Videos
page 5



Cafe @ PPPL Menu
page 6

Volunteers make PPPL's Communi-versity booth a success

By Jeanne Jackson DeVoe

PPPL made a splash at Communi-versity on April 28 due to an army of expert volunteers, great interactive science displays and a striking new poster.

Communi-versity Festival of the Arts, which is hosted by Princeton University and the Arts Council of Princeton, is an annual event on Nassau Street in Princeton that features music, food and art displays, as well as booths by vendors and community groups that draws some 40,000 people. For PPPL, it was an opportunity to tell hundreds of people about the Laboratory's work and let people know about the upcoming Open House on June 1.

continued on page 2



Oskar Thieme of Princeton has a hair-raising experience with the Van De Graaff generator as John DeLooper, right, looks on.

A computerized property pass system for the 21st century

By Jeanne Jackson DeVoe

If you're planning to take your PPPL-owned tablet to Chicago in July or you sometimes work from home on your PPPL laptop, you will soon have to register that equipment through the new computerized property pass system developed by the Material Services and Information Technology departments.

"We want to get everyone to use the online system for all existing passes," said Fran Cargill, material services branch head.

The new system means that each person at the Lab will be responsible for registering his or her own property and selecting the administrator or supervisor who serves as their "official approver." The good news is that you can log onto the system in just seconds at <https://proppass.pppl.gov/> and register your items in just a minute or two. "It's a simple task," Cargill said.

continued on page 4

PPPL's Communiversality

continued from page 1

PPPL showed off a colorful new poster this year in which the NSTX core merges with a picture of a blazing sun. Some 15 PPPL volunteers took time on a Sunday afternoon to staff PPPL's table and answer questions about PPPL's work, including Deputy Director Adam Cohen and Hutch Neilson, head of advanced projects.

"I think Communiversality is a wonderful event as it allows us to talk directly to a large number of people from the Princeton community about the amazing research and developments taking place in their backyard," Cohen said. "Further, it's a chance to excite a group of young folks about science and hear the insightful questions they ask. PPPL and the fusion research effort always benefit by having such forums where we talk about the importance, value and fun in the work we do!"

The strong showing of PPPL staff members was the biggest factor in making the event a success, said John DeLooper, head of best practices and outreach, who demonstrated the Van De Graaff generator along with Andrew Zwicker, head of Science Education.

"It was a very good crowd and the really nice thing about it was there was lots of support from the Laboratory staff," said DeLooper. "There were lots of different people who were able to talk to friends and neighbors about what we do at the Laboratory."

People gathered around the ITER model next to PPPL's table just to find out what it was. Some children guessed it was a spaceship. Little did they know that the people informing them about PPPL's work on the huge international fusion experiment under construction in Cadarache, France, represent some of the world's top ITER experts including Rich Hawryluk, who recently returned from two years serving as deputy director for the Admin-

istration Department of ITER and David Johnson, team leader for U.S. ITER diagnostics.

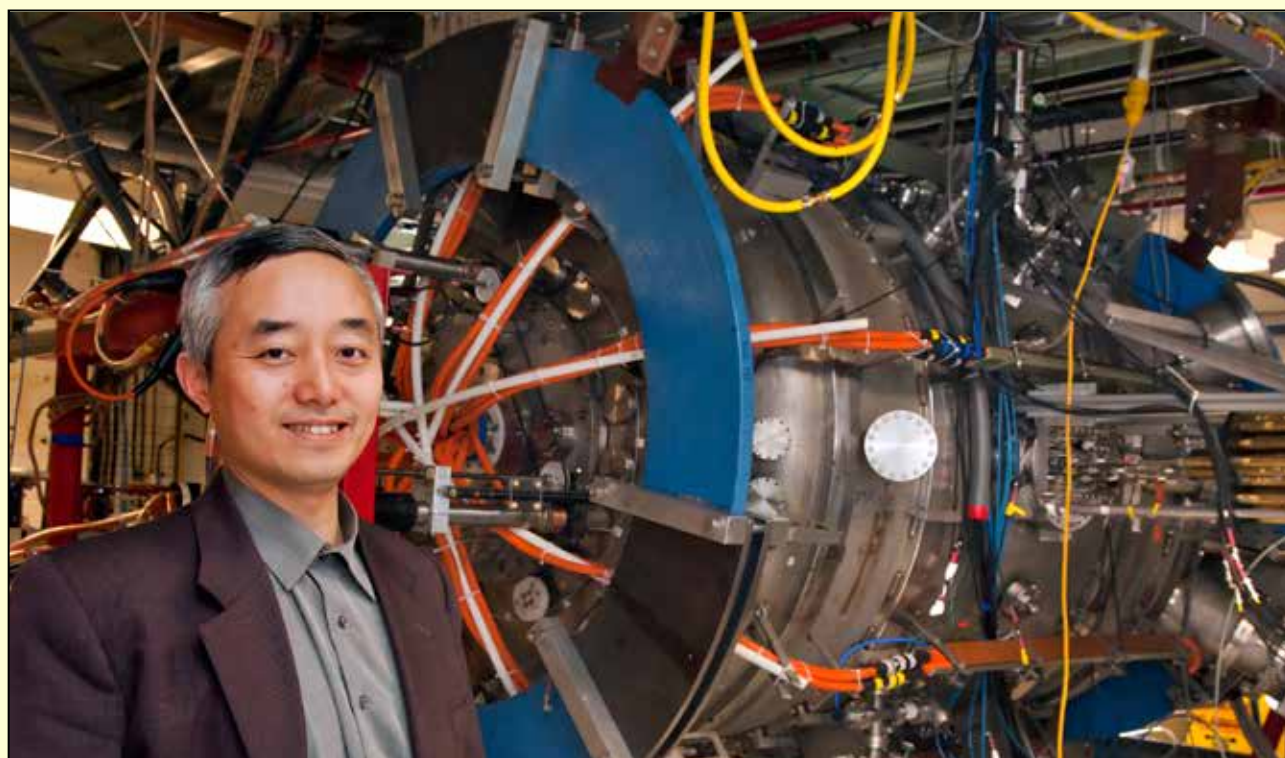
The PPPL table was located on the lawn of Nassau Hall just beyond the FitzRandolph gates, the main entrance to Princeton University. The display was hard to miss. It also didn't hurt that Mother Nature cooperated – with a sunny, warm day and blue sky.

There were so many people that the giveaways of string bags and transparent bouncing balls with PPPL's logo were snapped up in just a few hours.

Visitors also enjoyed other science demonstration projects at the table including Jacob's ladder, the plasma ball, several spectrometers and a half-coated fluorescent bulb in which users can manipulate plasma using a magnet. The hair-raising Van De Graaf generator was hugely popular and caused giggles and gasps from a steady stream of children and adults.

Ninaad Desai, an electrical engineer who volunteered at the table, said she was happy to have the opportunity to correct misperceptions about PPPL and inform those who had no idea what exactly PPPL does. "It's helpful that we could target so many people while we were there," said Desai. "People were intrigued so Communiversality gave us a very good exposure to spread the word."

Other volunteers at Communiversality included: Henry Carnevale, Jeanne Jackson DeVoe, John Greenwald, Steve Jardin, Sam Lazerson, Kitta MacPherson, Mike Mardenfeld, and Deedee Ortiz. T.J. Levis, Tim Conwell and Mark Snyder packed up a truck full of supplies for the event, unloaded it and set it up and then came back to pack it all back up again. ☺

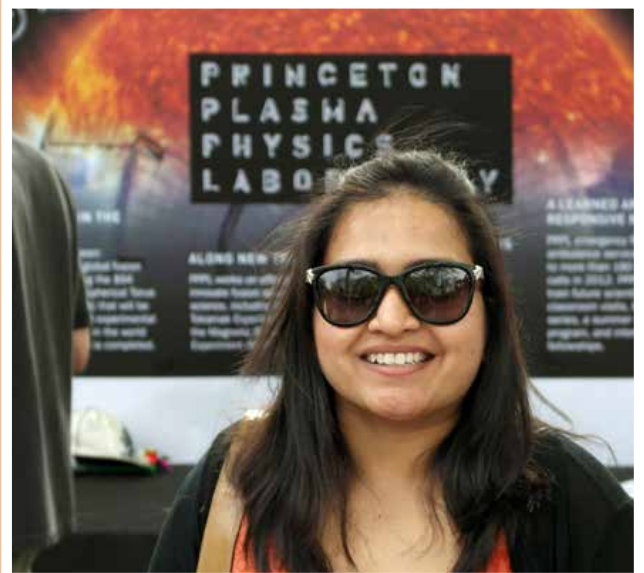


Physicist Hantao Ji has joined the faculty of Princeton University as a professor in the Department of Astrophysical Sciences. He will continue as principal investigator of the Laboratory's Magnetorotational Instability (MRI) experiment, and co-principal investigator of the Magnetic Reconnection Experiment. Ji joined the Laboratory in 1995 and has been a lecturer in the Princeton Program in Plasma Physics since 2006.

PPPL's Communiversality



Adam Cohen chats with Eric and Lisa Sheffield, of West Windsor, as their son Mark, age 10, tries out a spectrometer.



Ninaad Desai is all smiles in front of PPPL's new poster.



Henry Carnevale was one of 15 volunteers.



Andrew Zwicker, right, shares a laugh with Isaiiah Potoony, 7, of Princeton.



Dave Johnson, team leader for U.S. ITER diagnostics, was on hand to discuss ITER with curious visitors.



Claire Dumortier of West Windsor, and her brother Alexandre, are fascinated by a plasma ball.

New property pass system

continued from page 1

The online property pass system will create an online database that is easily accessible for the Laboratory to keep track of government personal property and to inventory various items in a given department without having to ask for the hard-copy pass that must be carried with the item at all times, Cargill explained.

“This gives the Property Management and Information Technology departments a searchable database that can be quickly perused without having to go follow every breadcrumb trail,” explained Greg Tchilinguirian, the project manager/system engineer for the new system, which took seven months to develop.

Cargill said it’s particularly important that the “authorized approvers,” log into the system so Property Management can confirm their approving status. All but a handful have successfully completed the task, she said.

One approver who has begun using the system is Pamela Hampton, an administrative assistant for Advanced Projects and the Office of Communications. Hampton said the new system is a breeze. “You log on with your net ID and your net password just as you would when you sign on,” she said. “It’s pretty straightforward. It’s very easy.”

Hampton pointed out that the system is accessible from both Macs and PCs and can be accessed from outside the Laboratory, so that a staff member who is traveling can easily replace a lost property pass. “That way we can always be accountable for government property even if the person is in France,” she said.

The system will not only keep track of all property passes in one centralized location, it will also issue reminders via email when the property pass is about to expire. Employees can then log in and the system will bring up all the information so they can easily renew the pass.

The new system is working so well that other national laboratories have been asking how they can implement a similar system, Tchilinguirian said. He noted that it took a lot of hard work over seven months to develop the system through a joint effort that also included Cargill, Christine

Canal, property manager; and Abe Massry, the product engineer for the system.

The U.S. Department of Energy requires a property pass for all government personal property (equipment, materials and supplies) taken off PPPL premises with Laboratory personnel. Some people may not even be aware of these regulations, said Tchilinguirian. They might be taking their Laboratory laptops home, for example, without having a property pass for them.

“The idea is you have to do the right thing and as long as you’re doing the right thing, you might as well do it the easy way with our online property pass system,” Tchilinguirian said.

In addition to the property pass, users who carry government personal property as “tools of the trade” for a short trip to a foreign country will require a temporary export form (TMP) for electronic items such as laptop computers, PDAs, GPSs, etc. TMPs are available at the online Property Pass System. You must have a TMP to comply with federal regulations and the TMP form can be very useful if you are stopped by Customs, explained Cargill.

It also helps the IT office keep track of items like laptops that could be subject to cyber attacks in foreign countries, explained Tchilinguirian.

Everyone will have to switch to the new system as property passes expire but Cargill is hoping people will voluntarily register their items well before then. The property management group would like to ease everyone into the new system before imposing a strict deadline for everyone to comply.

There’s even a step-by-step tutorial to lead you through each step of the process that shows the actual form. “We tried to make it as fast as we possibly could,” Tchilinguirian said. “It couldn’t be less painful. It’s more of a compliance effort than anything else.”

Pamela Hampton agrees with that assessment. “It takes seconds,” she said. “Once everyone adjusts to having to do it, it’s a good thing.”



PPPL’ers can log into the new Property Pass System page at <https://proppass.pppl.gov> to register any Laboratory-owned property.

The team behind PPPL’s new computerized property pass system. From left to right: Christine Canal, property manager; Frances Cargill, material services branch head; Abe Massry, product engineer; and Greg Tchilinguirian, project manager/systems engineer.

First Science Action Video Contest at PU features two fusion videos

Princeton University student filmmakers who created videos on fusion physics and other topics for the first Science Action Video contest will show their videos during a screening and awards ceremony on Tuesday, May 7 from 7 to 9 p.m. at the Lewis Thomas Laboratory Auditorium, LTL 003, Washington Road, Princeton University.

Other topics in the contest to create three- to five-minute science videos were climate science and engineering.

The event will kick off with a keynote address on communicating science by George Philander, of Princeton's Atmospheric and Oceanic Sciences program. The filmmakers will screen their short films and will receive awards for first and second prize and for most popular based on votes on the SA Facebook page, <http://www.facebook.com/PrincetonScienceAction>.

Previews of the videos can be viewed on the Science Action website at <http://www.princeton.edu/scienceaction/> and

the Science Action's YouTube site <https://www.youtube.com/user/princetonSA>. The full videos will be posted to both sites on May 8.

Each of the teams worked with a science mentor and a writing mentor for the pilot program. Andrew Zwicker worked with one of the fusion teams in both roles, while Arturo Dominguez served as the science mentor for the other team, with Sajjan Saini, of the Princeton Writing Program, serving as the writing mentor.

PPPL is one of the sponsors of Science Action, along with the Princeton Writing Program, Writing in Science and Engineering, the Princeton Environmental Institute, Atmospheric and Oceanic Sciences and the Cooperative Institute for Climate Science, the School of Engineering and Applied Sciences, the Andlinger Center for Energy and the Environment, and the Keller Center. For more information visit Science Action at <http://www.princeton.edu/scienceaction/>.

Science Education salutes volunteers



The Science Education Department honored some of the dozens of PPPL volunteers with cake and coffee in the Commons on May 1. Volunteers worked on events that included the Middle School and High School Science Bowl in February, the Young Women's Conference in March and the Science on Saturday series throughout the winter.



Carol Ann Austin, left, and Kathleen Lukazik, received special Outstanding Volunteer awards. Andrew Zwicker, head of Science Education, said Austin and Lukazik are "two people who have gone beyond the call pretty much continually," by volunteering at numerous events, coming in early on days off and playing an important role in making events run smoothly.

COLLOQUIUM



THE ALFVÉNIC MOTIONS OF THE SUN'S OUTER ATMOSPHERE

SCOTT MCINTOSH

National Center for Atmospheric Research (NCAR)

Wednesday, MAY 8

4:15 p.m. (Coffee/Tea at 4 p.m.)
M.B.G Auditorium, Lyman Spitzer Building

Telecommunications Tip of the Month:

In case of an emergency, you can call PPPL's Site Protection personnel by:

- Dialing 3333 from a Lab office phone
- Dialing 609-243-3333 from a cell phone or smartphone
- Switching to the Site Pro talk group or channel from the Lab's portable radios.

For telecommunications questions or support email telecom@pppl.gov



Volunteer for PPPL's OPEN HOUSE • JUNE 1

PPPL's Open House is on June 1 from 9 a.m. to 4 p.m. and there will be fun for everyone with exhibits, moon rocks and science displays of all kinds. This is a rare chance to show your friends and family seldom-seen parts of the Laboratory. The Open House is a huge event and it won't work without your help! We are asking for each person to donate two hours of time so everyone can spend time with guests! Please email Andrea Moten, the chair of the volunteer committee, amoten@pppl.gov, to volunteer.



PRINCETON PLASMA PHYSICS LABORATORY
OPEN HOUSE
JUNE 1, 2013

JUST BREATHE

Mindfulness Series

Mindfulness is the practice of purposely focusing your attention on the present without drifting into concerns about the past or future.

Fridays: 4/26, 5/10, 5/24, 6/7

12-12:30 p.m. Furth Plasma Physics Library

FOR PPPL STUDENTS, FACULTY, AND STAFF

Drop in as often as you can! No registration is required.

Learn to quiet the mind and ease physical distress. This mindfulness series will provide an opportunity to slow down in this fast-paced setting, and to experience balance and a sense of calm.

Facilitated by Shefalika Gandhi, LCSW, University Health Services. Sponsored by Princeton Plasma Physics Laboratory (PPPL). Email mgonzalez@pppl.gov for more information.

Café at PPPL Menu

BREAKFAST 7 a.m. • 10 a.m.
CONTINENTAL BREAKFAST 10 a.m. • 11:30 a.m.
LUNCH 11:30 a.m. • 1:30 p.m.
SNACK SERVICE until 2:30 p.m.

Mark Gazo, Chef Manager

COMMAND PERFORMANCE
CHEF'S FEATURE

	MONDAY MAY 6	TUESDAY MAY 7	WEDNESDAY MAY 8	THURSDAY MAY 9	FRIDAY MAY 10
COMMAND PERFORMANCE CHEF'S FEATURE	 HOT OPEN-FACED ROAST BEEF SANDWICH WITH POTATOES & VEGETABLE	 CHICKEN PICCATA SERVED WITH RICE PILAF AND VEGETABLE	 CARVED PORK LOIN SERVED WITH MASHED POTATOES AND VEGETABLE	 VEGETABLE BAKED ZITI SERVED WITH GARLIC BREAD <input checked="" type="checkbox"/>	 GRILLED SALMON WITH ROASTED POTATOES & GREEN BEANS <input checked="" type="checkbox"/>
EARLY RISER	2 Eggs with Corned Beef Hash	Broccoli & Cheddar Omelet	2 Eggs with Grilled Kielbasa	Apple Raisin Pancakes	Bacon Cheddar Muffin
COUNTRY KETTLE	Cream of Broccoli <input checked="" type="checkbox"/>	Chicken Rice	Tomato Tortellini <input checked="" type="checkbox"/>	Turkey Gumbo	Tomato Zucchini <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
GRILLE SPECIAL	Italian Hot Dog served with Macaroni Salad	Sloppy Joe on a Kaiser Roll Served with Chips	Shrimp Po' Boy with Fries	Italian Turkey Sausage, Peppers & Onion Torpedo	Grilled Pork Loin Sandwich with Hoisin Coleslaw
DELI SPECIAL	Turkey, Swiss & Coleslaw On Rye Bread	Italian Hoagie Wrap	Southwestern Style Chicken Salad Wrap	Ham and Cheese Croissant	Tuna & Egg Club Sandwich <input checked="" type="checkbox"/>
PANINI	Grilled Chicken Wrap with Bacon & Honey Dijon	Turkey, Spinach, Roasted Pepper & Provolone Ciabatta	Roast Beef with Roasted Onions, Swiss & Horseradish Panini	Chicken Cutlet, Ham, Swiss & Ranch Panini	Eggplant Parmesan Ciabatta <input checked="" type="checkbox"/>

MENU SUBJECT TO CHANGE WITHOUT NOTICE

[CLICK HERE FOR A PRINTABLE WEEKLY MENU](#)

WEEKLY

Editor: **Jeanne Jackson DeVoe** ♦ Layout and graphic design: **Nora H. Ananos**
Photography: **Elle Starkman** ♦ Web: **Chris Cane** ♦ Admin. support: **Pamela Hampton**

The PPPL WEEKLY is published by the PPPL Office of Communications on Mondays throughout the year except for holidays. Deadline for calendar item submissions is noon on Thursday. Other stories should be submitted no later than noon on Wednesday.

Comments: commteam@pppl.gov ♦ PPPL WEEKLY is archived on the web at: <http://www.pppl.gov/ppplweekly.cfm>