

At PPPL
THIS WEEK

MONDAY, SEPT. 23

Program in Plasma Science and Technology Distinguished Speaker Lecture Series

4:30 p.m. ♦ Computer Science 104, Princeton University

The X-ray Free-electron Laser: Exploring Matter at the Angstrom-femtosecond Space and Time Scales

C. Pellegrini, UCLA and SLAC

WEDNESDAY, SEPT. 25

PPPL Colloquium

4:15 p.m. ♦ MBG Auditorium

Consciousness and the Social Brain
Michael Graziano, Princeton University

THURSDAY, SEPT. 26

Carebridge Seminar

11:30 a.m. ♦ Room A-104

Keeping Safe in Today's Cyber-world

UPCOMING EVENTS

Sept. 30 - Oct. 4
66th Annual Gaseous Electronics Conference
Westin Hotel, Princeton

October 2
PPPL Colloquium
4:15 p.m. ♦ MBG Auditorium
The Power of Neuroplasticity: Enhancing Human Potential
Paula Tallal, Rutgers University

October 4
Red Cross Blood Drive
8 a.m. - 1 p.m. • Lower End Parking Lot

October 11-12
Freshman Parents Tour
Princeton University Freshman Families Weekend tours of PPPL

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Another Gold for PPPL: Laboratory Wins 2nd Gold GreenBuy Award

By Jeanne Jackson DeVoe

PPPL has received a gold GreenBuy award from the U.S. Department of Energy for its green purchasing program in 2012 – winning the award for the second year.

The Laboratory was only one of four laboratories to receive the highest honors for its green buying program and one of two, with the DOE's National Renewable Energy Laboratory in Golden, Colo., to receive the award for the second year.

"For a facility of this size with the complexity of purchasing that takes place, I think it's a tribute to the folks who use these supplies every day and the contractors with whom we are working," said Robert Sheneman, head of the Environmental Services Division.

The Office of Sustainability Support and the Office of Procurement and Assistance Management, which administers the GreenBuy awards, has intensified the requirements for entry to the competition, in its second year, increasing the difficulty of achieving special recognition.

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Worldwide conference on plasma science coming to Princeton area

By John Greenwald

More than 350 participants from around the world will gather in Plainsboro, N.J. on September 30 for the 66th Annual Gaseous Electronics Conference (GEC). The week-long event will bring together physicists from numerous plasma science disciplines for workshops, panels and poster sessions on topics ranging from basic research to uses for plasma in microchip etching, nano-material manufacturing and other technologies.

"This conference occupies a unique niche," said PPPL physicist Igor Kaganovich, who serves as conference secretary. "The session topics include basic plasma physics that is relevant to new practical applications."

Sponsors of the event, an annual topical meeting of the American Physical Society, include the DOE, the National Science Foundation and Sandia National Laboratories, as well as companies from the plasma processing industry.

Invited presentations will include a foundation — or keynote — talk by physicist Rod Boswell of the Australian National University, who will speak on, "Thinking



Igor Kaganovich

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Green Buy Award

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Continually expanding 15-year program

The Laboratory has had a green purchasing program for about 15 years. Over that time, the program has greatly expanded. For example, anyone going online to purchase paper or other products is encouraged to consider buying recycled paper or other products.

“Early on, we spent a lot of time trying to identify suitable products and trying to encourage people to try out different products,” said Sheneman. “As people have become more aware of it, we’ve spent less time promoting that and people are working on identifying those things on their own.”

The cafeteria’s use of compostable cups and lids, bowls and plates, take-away containers and other items and using metal utensils, all as part of its contract with PPPL, was also new over the past year. Rest room paper towels are also composted. As a result, PPPL’s composting increased 50 percent since the last fiscal year.

Building products can be recycled

The facilities department has also been very active in buying green building materials and products that are not only made from environmentally friendly material but can also be recycled when they outlive their usefulness. All new furniture the department purchases is SteelCase furniture that contains recycled content and can ultimately be recycled.

PPPL also uses green products for renovations, including sheet rock. Recycled carpet tiles purchased through the program can be reused and contain no volatile organic chemicals that are conventionally used in the adhesives for larger pieces of carpeting. Those purchases are also aimed at maintaining good indoor air quality, Sheneman said.

Bio-based cleaning products

The custodial staff has long used green cleaning products, including bio-based hand soaps and hand sanitizers and they are currently using 100 percent bio-based cleaners.

Even the Laboratory’s new roofs are considered green because none of the roofing materials contain volatile organic chemicals and the roofs meet LEED and Energy Star standards to keep the building cool in the summer and warm in the winter.

PPPL also moved to a non-toxic, biodegradable de-icer that won’t harm animals, is environmentally friendly and is less corrosive than traditional de-icers. In addition, it poses no harm to plants and does not eat away at concrete.



Teodora Todorova cleans a rest room with green products like HydroxiPro, which is 100 percent bio-based. The hand soap in PPPL’s rest rooms is made mostly of vegetable-based glycerin and aloe. The paper products are made from 70 to 100 percent recycled products and the hand towels are composted at PPPL.

The Laboratory also uses 100 percent native plants in its rain garden, which is designed to filter ground water and prevent erosion, and uses wildflowers in the meadows surrounding the site.

Numerous environmental awards

PPPL has received numerous awards for its environmental programs. It was named the 2012 Federal Partner of the Year by the U.S. Environmental Protection Agency’s WasteWise Program for reducing the amount of waste the Laboratory sends to landfills. The Laboratory also won a federal Sustainability Award last year for cutting its carbon footprint nearly in half in three years. The Laboratory’s main office building is LEED-gold certified and is an EPA ENERGY STAR building.

Sheneman said the Gold GreenBuy award is a sign that the Lab’s green policies have become part of everyday life. “I would say it’s a pretty significant thing,” he said. “To me, it’s a recognition that the approach we have taken to try to integrate these sort of preferred purchasing mechanisms into our system, to make them transparent to employees, to basically direct or drive purchasing in that way, is an effective tool.”

Audit shows PPPLers need to look before they toss

While PPPL increased its composting 50 percent in fiscal year 2013 compared to the previous year, a recent audit shows the Laboratory could easily do better simply by putting trash, composting and recyclables in the right containers.

The audit of trash collected from various sites in the LSB Building, D site and other areas of the Laboratory found that PPPLers are tossing items that should go into compost and recycling into the trash. Some 52 percent of materials that should have been composted were thrown into the trash and nearly 18 percent of recyclables like paper, cardboard, cans and bottles, were tossed in the garbage. That means only 30 percent of the so-called trash was actual trash, and all those materials ended up in landfills.

So, remember that all food ware and containers in the cafeteria are compostable and please look before you toss! Help support a greener PPPL by making sure you place composting and recyclables in the proper bins.



Teodora Todorova puts another bag in a composting bin.

GEC Conference

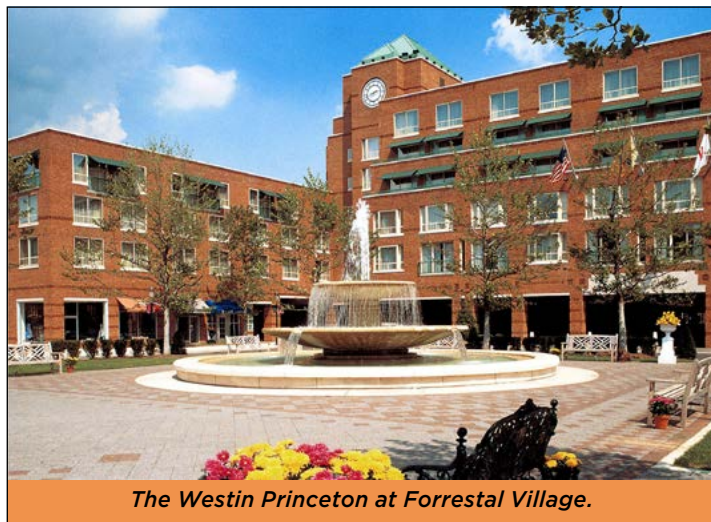
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and doing, a long way to the top in commercialization.” PPPL Director Stewart Prager will discuss “The path to magnetic fusion energy” in the conference’s opening tutorial. All sessions will be held in the Westin Princeton at Forrestal Village.

Special events include a tour of PPPL. Also scheduled are tours of the Princeton University Museum and the Grounds for Sculpture in nearby Hamilton, N.J., and a walk around downtown Princeton.

The annual GEC has long played a key role in advancing the many sides of plasma science. The presentations combine atomic, molecular and optical physics with low-temperature plasma physics, electrical discharges and plasma chemistry, together with recent developments employing these technologies. No other U.S. conference brings together so wide a range of plasma science topics and communities.

The GEC also strongly promotes the participation of students and has been a key factor in their development.



The Westin Princeton at Forrestal Village.



Many leading figures in the field presented the first results of their graduate research at GEC conferences.

A complete listing of speakers, workshops and events at this year’s conference can be found here: <http://www.aps.org/units/gec/meetings/annual/index.cfm>.

PLEASE replace the “old” logo with the “new” one



Many internal web pages and forms still contain the old logo. Please do a little fall cleanup on all of your PPPL internal web pages and replace the old logo with the new one. It's important that the lab convey one identity. You can find copies of the logo at <http://www.pppl.gov/logo> or contact **Greg Czechowicz** for more information.



Chemical Disposal

Inspect containers for bulges, rust, cracks, or concavity.
If damaged, do not handle – contact Environmental Services.

Be aware of changes in state.
Liquids becoming solid? Solids separating?

Wear proper PPE & handle items with care.
Never pick up a jar by its lid.

Note the item's shelf-life.
If it's not on the label, contact the manufacturer.

Promote active ownership – know who owns what.

Don't need it? Get rid of it!

If you don't know what it is, contact Environmental Services!
x3380

Disposal Process

Obtain a Hazardous Waste ID Tag from the stockroom

Return the top copy to Environmental Services.

Place tag on item(s) to be removed.

Hazardous Waste ID Tag
HW28037

Generator Name: _____ Division: _____ Department: _____

Building: _____ Location of the Waste: _____ Room # _____

Description of the Waste: _____

Total Number of Containers: _____

Generator Signature: _____ Date: _____

For ERM use - Do Not Write in this Section

Waste Code: _____ (EPA)

Household Waste Disposal Day in Local Counties:

Mercer County: Sept. 21, 8 a.m. to 2 p.m., the John T. Dempster Fire School, Bakers Basin/Lawrence Station Road, Lawrence Township, www.mcyanj.org.

Middlesex County: Sept. 21 from 8 a.m. to 2 p.m., Woodbridge Public Works Yard/Recycling Center, 225 Smith St., Keasbey, <http://co.middlesex.nj.us/planningboards/solidwaste.asp>.

Monmouth County: Open all year by appointment, Mon. – Fri. 7:30 a.m. to 11:15 a.m. and 12:45 p.m. to 3:15 p.m., Sat. 7:30 a.m. to 1:45 p.m., Monmouth County Permanent Household Hazardous Waste Facility, 3211 Shafto Road, Tinton Falls, <http://co.monmouth.nj.us>.

Somerset County: Oct. 26, 9 a.m. to 2 p.m., South County Public Works Garage, 410 Roycefield Road, Hillsborough, <http://www.co.somerset.nj.us>.

Hunterdon County: Nov. 19, 9 a.m. to 1 p.m., 314 State Route 12, Hunterdon County Complex, Flemington, <http://co.hunterdon.nj.us/recycling.html>.

For a complete listing of Household Waste sites in New Jersey, please go to http://www-local.pppl.gov/erwm/NJ_HHW_by_County_2013.pdf.

Travel Office requests list of conferences for Fiscal Year 2014

The Travel Office is requesting that anyone planning to travel for conferences in Fiscal Year 2014 (between Oct. 1, 2013, and Sept. 30, 2014) send the office a list of all conferences you plan to attend by Friday, Sept. 27. The information will be used to compile a list required by the U.S. Department of Energy of all PPPL conferences for fiscal year 2014, including dates, locations, who is attending and estimated costs. Please see the Travel Office's recent "Conference Data Call Response" email for additional details.

Please review the PPPL list of conferences and if your conference is on the list, (For example, TTF, Sherwood, APS, etc.) inform the Travel Office of your plans to go and your role at the conference (i.e. presenter, attendee, participant, etc.).

If your conference is not on the list, you will need to fill out a form with the following information: The title of the conference (no acronyms), names of attendees, the date the conference will start and end, the sponsor, the location, a description of the conference, the purpose and objective, a conference link if available, and your role at the event (presenter, participant, etc.) If you are an attendee, you must provide additional information explaining why you would like to attend.

The information must be sent to travel@pppl.gov by Sept. 27 or you will not be able to attend. (If you are unsure whether an event is classified as a conference, please fill out the Conference Request Form and send it to the Travel Office for a final determination.)

For additional information, visit the Travel Office's internal website at travel.pppl.gov.

Help Wanted:

Freshman Family Tours Oct. 12 at 2 p.m. and 3 p.m.

PPPL is hosting two tours of up to 100 Princeton University freshman students and their families on Saturday, Oct. 12, at 2 p.m. and 3 p.m. as part of Princeton's Freshman Family Weekend.

If you're an experienced tour guide and can help out with one of the tours, please contact Jeanne Jackson DeVoe, jjackson@pppl.gov. Thank you!



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PPPL on the global stage

ARCHIVES

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Did you know that PPPL has a blog?

To subscribe, simply go to

<http://blogs.princeton.edu/pppl/>

and enter your email address.

You'll be sent an email and be asked to click "activate" to start your subscription.



Flu vaccine appointments will begin on Tuesday, September 24th. Please contact the OMO at extension 3200 or email omo@pppl.gov for an appointment.

The vaccine is available to regular employees, grad students and DOE.

COLLOQUIUM



Consciousness and the Social Brain

MICHAEL GRAZIANO
Princeton University

Wednesday, September 25

4:15 p.m. (Coffee/Tea at 4 p.m.) • MBG Auditorium

HELP SAVE A LIFE + DONATE BLOOD




American Red Cross

Princeton Plasma Physics Laboratory
American Red Cross Blood Drive
Friday, October 4
8 a.m. - 1 p.m. • Lower End Parking Lot
Call Tricia Berran x3200 for an appointment
or sign up online at www.redcross.org
Enter sponsor code: PPPLPrinceton



COLLOQUIUM



The Power of Neuroplasticity: Enhancing Human Potential

PAULA TALLAL
Rutgers University

Wednesday, October 2

4:15 p.m. (Coffee/Tea at 4 p.m.) • MBG Auditorium

Shop online at the redesigned PLASMA HUTCH web page

The Plasma Hutch website has a new design by HR's Kim Mastromarino that lets you easily look at all the merchandise before placing your on-line order. The Plasma Hutch has new colors in hats and will soon be getting long-sleeve denim shirts and USB drives. You can also see the latest styles of PPPL shirts, sweatshirts and vests, view the various mugs and novelties like the PPPL tiger and flashlights. Place your order online at <http://hr.pppl.gov/website/Plasma%20Hutch/PHIndex.html>. (You can also still shop in person on Fridays between 11:30 a.m. and 12:30 p.m.).



Brock 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

	MON. 23 SEPT.	TUE. 24 SEPT.	WED. 25 SEPT.	THU. 26 SEPT. NATIONAL PANCAKE DAY	FRI. 27 SEPT.
COMMAND PERFORMANCE CHEF'S FEATURE	 HOT OPEN-FACED TURKEY SANDWICH	 HUNGARIAN PORK CHOPS	 BAKED ZITI	 ROAST CHICKEN WITH STUFFING	 CHICKEN CACCIATORE
EARLY RISER	Corned Beef Hash & Eggs	Waffles with Breakfast Meat	Italian Sausage & Pepper Omelet	Stack Of Pancakes with choice of Toppings	Mulligatawny Soup
COUNTRY KETTLE	Tuscan White Bean With Spinach	Chicken Tortilla Soup	Roasted Corn & Red Pepper Chowder	Tomato & Spinach with Lentils	Turkey Chili
GRILLE SPECIAL	Chicken Pizza Steak	Crab Cake Sandwich	Monte Cristo	Mediterranean Crispy Chicken Wrap	Burger with Bacon, Cheddar, Monterey Jack and BBQ Sauce
DELI SPECIAL	Mile High Antipasta	Chunky Style Chicken Salad	Egg Salad, Bacon, Swiss Cheese, Lettuce & Tomato Wrap	Shrimp Salad Wrap	Spinach Pie served with Greek Salad
PANINI	Athenian Panini	Italian Panini	Shredded Chicken Quesadilla	Boardwalk Italian Sausage & Peppers	Vegetarian Mediterranean Focaccia
BROCK VALUE MEAL ★\$6.25	½ Sandwich, Small Soup or Salad, Chips, 12 oz. Soda	2 Slices Pizza, Bag of Chips, 12 oz. Soda	Cheeseburger, French Fries, 12 oz. Soda	2 Hot Dogs, French Fries, 12 oz. Soda	Meatball Sandwich, Potato Chips, 12 oz. Soda

MENU SUBJECT TO CHANGE WITHOUT NOTICE

 VEGETARIAN OPTION

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

WEEKLY

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