

At PPPL THIS WEEK

FEB. 10

[New Jersey Technology Council
Innovation Forecast 2015](#)
1 to 5 p.m. ♦ PPPL

FEB. 10

**Program in Plasma Science &
Technology Distinguished
Speaker Series**
7:30 p.m. ♦ Room J-232, E Quad,
Olden Ave., Princeton University
[Plasma Physics at the Atomic Level](#)
Paul Corkum, Dept. of Physics,
University of Ottawa

FEB. 13

Blood Pressure Screening
11:15 a.m. to 1 p.m. ♦ LSB Lobby

FEB. 14

**Ronald E. Hatcher Science on
Saturday Lecture Series**
9:30 a.m. ♦ MBG Auditorium
[Honey, I Shrunk the Plasma:
Studying Astrophysical Processes
in Laboratory Experiments](#)
Clayton Myers, PPPL

UPCOMING

FEB. 20

[DOE N.J. Regional Middle School
Science Bowl](#)
9 to 3 p.m.

FEB. 21

[DOE N.J. Regional High School
Science Bowl](#)
9 a.m. to 4 p.m.

MARCH 5

**Raymond and Beverly Sackler
Lecture in Astrophysics**
8 p.m. ♦ A-02 McDonnell Hall,
Princeton University
Dark Energy and Cosmic Sound
Daniel Eisenstein, Harvard-Smithsonian
Center for Astrophysics

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Safer use of cellphones recommended at ES&H Executive Board meeting

Levine says reports demonstrate strong safety culture at PPPL

By Jeanne Jackson DeVoe

PPPL management is considering implementing a policy recommended by the Safety Champions Committee that would prohibit employees from using cellphones when performing certain tasks.

The committee recommended that cell phone use be prohibited when employees are operating non-automated shop machinery, when operating government vehicles, or during assignments to a fire watch or confined space watch.

The committee also recommended against employees using cellphones when crossing roads, going through doorways, and walking on stairwells. The recommendation includes the use of other electronic devices such as tablets.

The committee was asked to look for “blind spots,” safety concerns that the Lab hasn’t focused on, said Steve Raftopoulos, who chairs the committee. While state law bans everyone from using cell phones while driving, there are no regulations covering potentially dangerous cell phone use in other situations, he said.

“This is a commonplace behavior that could result in an injury,” Raftopoulos said. “We have to ask, ‘Would our result be better if we had a policy?’”

The recommendation was made during the group's report at a meeting of the ES&H (Environment, Safety & Health) Executive Board Meeting on Jan. 19. It was one of several reports made on safety and environmental programs at PPPL.

Jerry Levine, head of Environment, Safety, Health & Security (ESH&S), said the overall safety and environmental picture at PPPL is very positive. “People who come here from the outside always comment that they can’t believe how good the safety culture is here. It’s just really unique,” Levine said. But he warned that PPPLers must always be on their guard against complacency. “The issue is you can never let your guard down,” he said. “If you do, it’s going to take a whole lot to recover.”

A good safety record

Levine said PPPL continues to maintain a good safety record. He said he is most concerned about accidents that are linked to some failure in the integrated safety management system (ISM). The ISM is designed to prevent injuries by analyzing hazards before work begins, coming up with plans to prevent injuries and carrying out those plans on the job. “Those are the ones we’re most concerned about because it means something didn’t get done properly,” Levine said.

Levine said there were relatively few injuries related to a failure in the ISM system.

- There were 23 work-related injuries at PPPL in fiscal year 2014.
- Seven were due to some failure to implement the integrated safety management system (ISM).
- There were 19 work-related injuries in 2013.
- Five of those injuries were due to some failure to implement the ISM.



Jerry Levine

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Passion for art and PPPL career are family traditions for new graphic artist Kyle Palmer

By Raphael Rosen

It's not often that someone can claim to be among the third generation in his family to work at a particular organization, but PPPL's new visual design strategist, Kyle Palmer, is one of the fortunate few.

Palmer's grandmother, Muriel Strohl, worked as a secretary at the Lab for 15 years in the 1970s and 1980s, and his mother, Ruth Strohl, worked with Greg Czechowicz, PPPL's graphic designer of 40 years whom Palmer is replacing. Palmer's two aunts, too, spent time at the Lab; in fact, one of them met her husband-to-be while on site. It's safe to say that PPPL and Palmer's family grew up together.

Hired by the Office of Communications in January, Palmer is responsible for creating the digital slide show that appears on monitors in the Lab's lobby and cafeteria. He also handles graphic design needs for the Weekly and produces posters advertising lectures and other events. Despite his recent hire, however, Palmer is not new to the Princeton community. For three years before beginning at the Lab, he was a graphic designer at the Princeton University Art Museum.

Palmer's relationship with art and design is deep: his father was the art director for a Japanese business magazine, while his mother made jewelry and started several art-related businesses. "I've been an artist since I was born," Palmer says. A 2010 graduate of Philadelphia's University of the Arts, where he majored in graphic design, he counts the Bauhaus movement among his influences.

"He was the ultimate candidate," says Christopher Cane, PPPL's manager of digital strategy and visual communication, who supervises Palmer. "He is able to combine typogra-

phy with complementary colors and shapes, and has already made paradigm changes in every project that he has touched."

Art and design may seem like afterthoughts in an engineering environment like PPPL, but in truth they are a crucial part of the effort to help the public understand the research that goes on here. "Good design helps amplify and promote fusion energy," says Cane.

"Visual representations of this research helps funders and decisionmakers comprehend plasma physics and become interested in what we do."

Viewed from another perspective, design fits in perfectly at the Lab since both design and physics rely on data. "Design is an information-driven field," says Palmer. "In fact, you could say that graphic design is the art of communicating information visually."

Though he had a good experience in his previous position at the art museum, Palmer is excited to be at the Lab. "I'm fascinated by technology and science," he says, "I like expanding my mind, and this seems like a good place to do it." 📱



Kyle Palmer



John DeLooper gave a tour to a group of 28 people from the Princeton Amateur Astronomers Association the evening of Feb. 4. Here, DeLooper speaks to the group in the NSTX-U Control Room.

Safety

continued from page 1

PPPL's STOP program, in which managers and volunteers observe workers and report safe and unsafe practices without indicating the identities of staff members, has had a direct impact on reducing the number of ISM injuries since its start in 2008, Levine said. "I really believe people need to be reminded of safety in a number of ways and STOP is one of them," he said.

ISM-related injuries decreased when the program got underway in 2008 and continued to decrease when there were more safety audits and more people were participating.



Dorothy Strauss

Positive view of safety in surveys

PPPL's 2014 safety survey, which is sent out quarterly, continues to show that the vast majority of PPPL employees have positive views about safety in numerous areas, said ESH&S Programs Manager Dorothy Strauss in her report to the executive board.

At least 91 percent of staff said they perceive the following safety practices at work:

- Supervisors understand the hazards of their subordinates' work.
- Groups consider the safety of their actions.
- PPPL's directors and department heads discuss their commitment to safety.
- Employees are encouraged to raise questions about safety.
- Employees do not ignore unsafe practices.

The survey allowed neutral responses for the first time last year and some questions received a substantial number of neutral responses. Strauss said staff

members in offices tend to give neutral answers because they don't think safety questions apply to them despite the many potential safety hazards in offices.

- 57 percent of staff members said they receive praise for working safely
- 9 percent said they do not receive praise
- 32 percent said they were neutral
- 73 percent of employees said PPPL management reacts appropriately to accidents
- 24 percent said management overreacts
- 2 percent said management underreacts

Participation in the survey was down 2 percent in 2014 to 59 percent. Strauss said the quarterly surveys would continue with the same questions in 2015 in order to compare the results. The first quarterly survey was sent by email on Jan. 29. Responses are due back by Feb. 13. Levine and Strauss urge everyone to participate.

Meeting greenhouse gas reduction goals

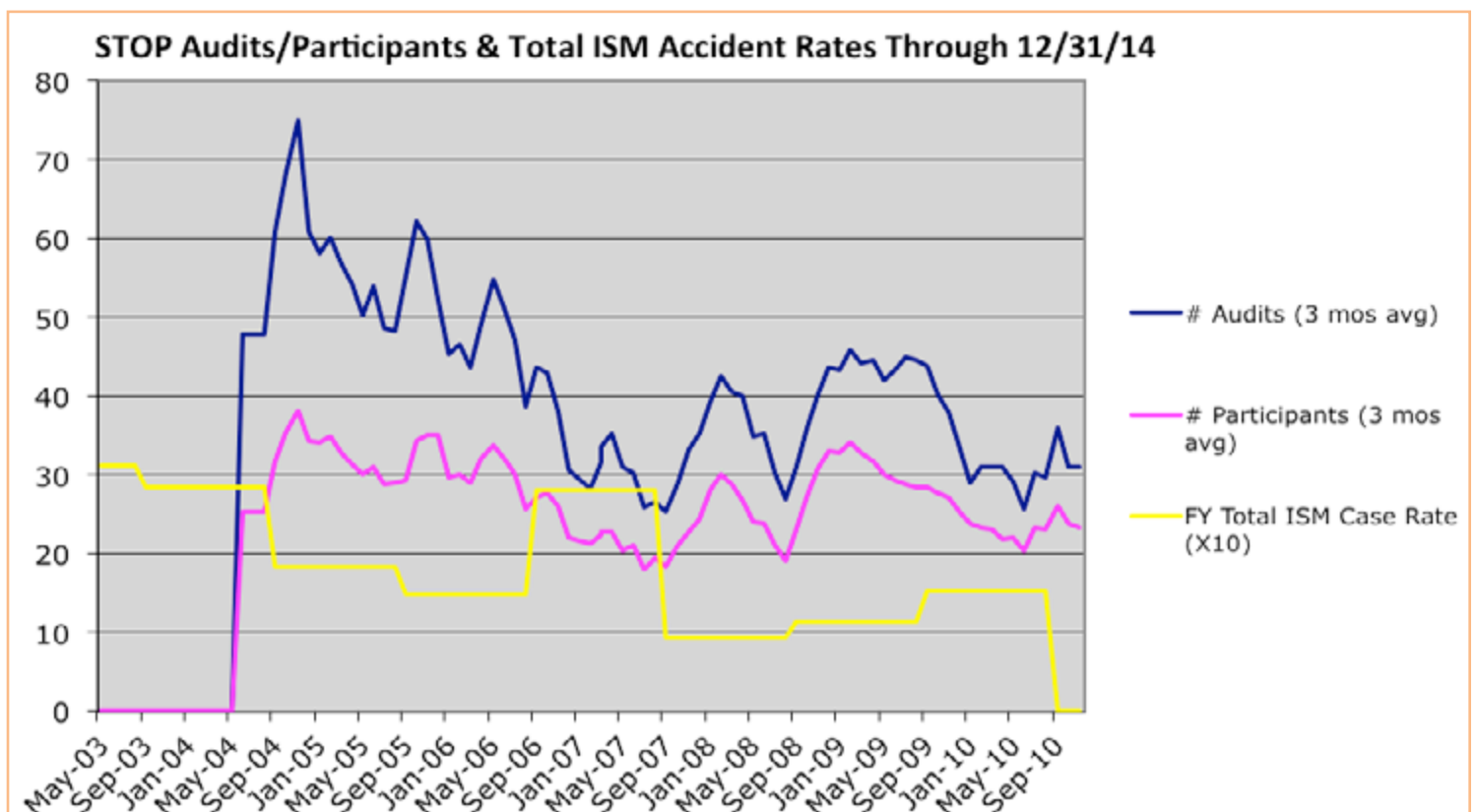
Robert Sheneman, head of the Environmental Services Division, reported on the Lab's environmental impact. The Lab has:

- Reduced greenhouses gases by 28 percent – exceeding the DOE's goal of reducing greenhouse gases 21 percent by fiscal year 2015.
- Reduced "Scope 3" greenhouse gases from commuting and business travel by nearly 12 percent.
- Reduced energy use by 28.6 percent since 2012 .

Charles Gentile from the Activity Certification Committee for the NSTXU Upgrade (NSTX-U) reported on the group's efforts:

- 75 percent of the committee's work is complete
- The committee anticipates being able to recommend a safety certificate be issued for NSTX-U when work is completed this year.

[The PowerPoints from the ESH&S Board Meeting are available here.](#)



A graph of integrated safety management-related incidents in yellow shows how incidents correspond to participation in audits (shown in pink) and the number of STOP audits (shown in blue).

New ServiceNow cloud-based Help Desk request program is here to stay


The Help Desk moved to a new cloud-based system for Help Desk requests on Feb. 4. The system can be accessed at <http://help.pppl.gov>.

ServiceNow allows users to request help for their devices from any device with an Internet connection virtually anywhere in the world. It should make Help Desk requests easier and should lead to faster response times.

The Help Desk offered four workshops to introduce the program to PPPLers and a video recording of one of those sessions will be available at the site, along with FAQ about the system.

“It seems more user friendly and more transparent,” said Carol Austin, the executive assistant to Director Stewart Prager, who attended the last workshop on Feb. 3. “The users can really see what’s going on more instead of this dark hole.”

ServiceNow offers the following features:

- It can be accessed on any mobile device with an Internet connection.
- Once you use the system, the system automatically fills in your information.
- HelpDesk technicians are automatically notified when you put in a request.
- You automatically receive an email after putting in a request.
- You continue to receive emails every time someone reviews, responds to, or works on your request.
- You can access previous requests and link to those requests if you have a recurring problem.
- You can note on your request that a particular problem, such as a problem with a printer, is affecting a large group. Users can access a knowledge base with many articles and tutorials about how to use PPPL technology. It can be accessed 24-hours a day.
- You can request additions to the knowledge base if you would like information on how to use a particular program. 

Sign up for the Staff & Family Ski Trip!

Reminder: The deadline to register and pay for the Feb. 13 Staff & Family Ski & Snowboard Trip is **4 p.m., Tuesday, Feb. 10.**

Two-step reservation process:

1. Complete the online reservation form at <http://tinyurl.com/pppl-ski-feb13>
2. Make your payment in cash or check to Rob Sheneman by the reservation deadline. (x3392, MOD VI, Room 111)

Information on carpooling and how to pick up your lift tickets and vouchers will be distributed by email on Wednesday, Feb. 11.

QUESTIONS? Contact Rob Sheneman (x3392 or rsheneman@pppl.gov).

SPD Tip of the Week

Safe Driving at PPPL

Obey the speed Limit

All vehicles on the PPPL site must obey posted speed limits. Where the speed limit is not posted, the maximum speed on PPPL property is 15 miles per hour.

Watch the curves

Drivers should take care when coming to a curve because there are many pedestrian crossings and several curves with obstructed views.

Don't pass

Remember that there is no passing on the PPPL roadways, unless a vehicle is stopped on the shoulder. Do not pass slow-moving vehicles or cranes that are traversing the site. Yield to walkers, cyclists and emergency vehicles.

Report unsafe activity

Safety at PPPL is a team effort and our employees are our first line of defense. Please promptly report any vehicle safety concerns that you may have to the Site Protection Division by calling ext. 2536. If you are reporting an unsafe activity you witnessed, try to give the most accurate description possible.



ESU Officer Aaron Green stands by a speed limit sign and a sign warning drivers to slow down. (Photo from SPD archives)

Include the following information: a brief description of the activity, the date, time and location of the activity; a description of anyone you observed who was involved in the activity; as well as a vehicle description, information about where the people involved may have gone, your name and your contact information. 📍

**Remember,
if you see something,
say something.**

Blood Pressure Screening

The OMO will be conducting a blood pressure screening on **Friday, February 13**



11:15 a.m. to 1 p.m. in the LSB Lobby

Program in Plasma Science and Technology Distinguished Speaker Lecture Series

Plasma Physics at the Atomic Level



Prof. Paul Corkum

Department of Physics, University of Ottawa
and Canadian National Research Council

Tuesday, February 10

7:30 p.m., Room J-223, E-Quad, Olden Ave., Princeton University

Ronald E. Hatcher

Science on Saturday LECTURE SERIES

Honey, I Shrunk the Plasma: Studying Astrophysical Processes in Laboratory Experiments



Clayton Myers

PPPL

Saturday, February 14

Doors open at 8:15 a.m., lectures begin promptly at 9:30 a.m.
M.B.G Auditorium, Lyman Spitzer Building

Raymond and Beverly Sackler Lecture in Astrophysics

Dark Energy and Cosmic Sound



Daniel Eisenstein

Harvard-Smithsonian Center for Astrophysics

Thursday, March 5

8 p.m., A-02 McDonnell Hall, Princeton University

Many Science Bowl Volunteers Still Needed: Feb. 20 and Feb. 21

PPPL will host 12 teams of middle school students on Friday, Feb. 20 and 32 teams of high school students on Saturday, Feb. 21 for the New Jersey Regional Middle and High School Science Bowls.

We need your help! Please volunteer to help out as moderators, science/rules judges, time/score keepers, lunch attendants, etc. Lunch will be provided for competition day volunteers.

Please contact Deedee Ortiz at dortiz@pppl.gov or ext. 2785 to sign up or for more information.

BROCK

MARK GAZO
Chef Manager



BREAKFAST7 a.m. • 10 a.m.
CONTINENTAL BREAKFAST10 a.m. • 11:30 a.m.
LUNCH11:30 a.m. • 1:30 p.m.
SNACK SERVICE until 2:30 p.m.

	Monday February 9	Tuesday February 10	Wednesday February 11	Thursday February 12	Friday February 13
COMMAND PERFORMANCE Chef's Special	Baked Chicken Pecan Served with Stuffing, Vegetable & Gravy	Eggplant Parmesan Served with Pasta & Garlic Bread	Command Performance Pasta Bar	Carved Pork Loin Served with Mashed Potatoes & Brussels Sprouts	Valentine's Day Prime Rib au Jus Served with Twice- Baked Potato, Roasted Asparagus & Baby Carrots & Chocolate Covered Strawberry
Early Riser	Italian Omelet with Mushrooms, Onions, Mozzarella & Marinara Served with Hash Brown	Tex Mex Scramble with Shredded Beef, Pepper Jack, Tomato, Jalapeno, Onion & Fried Tortilla Strips	Corned Beef Hash and 2 Eggs Any Style	Peanut Butter & Jelly Pancakes with Bananas	Fried Spaghetti & Scrambled Eggs with Cheddar Cheese
Country Kettle	Creamy Sweet Potato Soup	Kielbasa Soup	Tomato Soup	Chicken Rice	Potato Leek with Cabbage
Grille Special	Swiss Steak Served on a Kaiser Roll with Mashed Potatoes	Italian Hot Dog Served with House-Made Potato Chips	Grilled Cheese with Swiss, Bacon & Thousand Island Dressing on Sourdough Bread served with Tomato Soup	Turkey Cobb Burger with Blue Cheese, Lettuce, Tomato, Avocado & Bacon Served with Fries	Vegetarian Sloppy Joe Served with Sweet Potato Fries
Deli Special	Peppered Ham & Muenster Cheese on Pumpernickel Bread	Breaded Chicken Cutlet with Ham, Swiss, & Dijonnaise on a Kaiser Roll	Ham Salad on Rye Bread	Peanut Butter & Jelly on White Toast Served with an Apple & Milk	Turkey Waldorf Salad Wrap
Panini	Turkey, Ham, Salami, Pepperoni, Provolone, Cheddar & Banana Peppers on Sourdough Bread	Tuna Salad Quesadilla with Cheddar Served with Corn Relish	Buffalo Chicken Panini	California Grilled Veggie Sandwich with Feta Cheese	Reuben Meatball Quesadilla with Swiss Cheese, Sauerkraut & Russian Dressing

MENU SUBJECT TO CHANGE WITHOUT NOTICE

VEGETARIAN OPTION

WEEKLY

Editor: **Jeanne Jackson DeVoe** ♦ Layout and graphic design: **Kyle Palmer**
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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 WEDNESDAY. Other stories should be submitted no later than noon on TUESDAY.

Comments: commteam@pppl.gov ♦ PPPL WEEKLY is archived on the web at: <http://w3.pppl.gov/communications/weekly/>.