

HOTLINE

The Princeton Plasma Physics Laboratory is a United States Department of Energy Facility

NCSX Vacuum Vessel Prototype Arrives



Is it art? Is it furniture? No — it's a prototype of a National Compact Stellarator Experiment (NCSX) vacuum vessel section. The curved piece of inconel prominently displayed in the Lobby was recently manufactured by Major Tool and Machine in Indianapolis and delivered to PPPL in April. Above, some PPPL members of the joint PPPL-Oak Ridge National Laboratory (ORNL) team checked out the new arrival. From left are Mike Zarnstorff, Charlie Gentile, Hutch Neilson, Phil Heitzenroeder, H.M. Fan, Craig Prinski, Tom Brown, Lew Morris, Henry Carnevale, Marianne Tyrrell, Jerry Levine, Fred Dahlgren, Eric Fredrickson, Larry Dudek, Don Monticello, Chang Jun, Mike Viola, Rob Goldston, Ron Strykowski, Judy Malsbury, Art Brooks, Frank Malinowski, Wayne Reiersen, Bob Simmons, David Mikkelsen, Irving Zatz, Martha Redi, Mike Kalish, Allan Reiman, Erik Perry, Gary Oliaro, Neil Pomphrey, Mike Messineo, Rich Hawryluk, and Bruce Paul.

Team members presently are comparing the supplier's dimensional inspection data with the project's design model. "The dimensional inspection of complex-shaped NCSX parts and their comparison with design data is a non-trivial technological challenge and an important component of the project's manufacturing development program," said NCSX Project Head Hutch Neilson. ●

Special credit goes to The Oak Ridge National Laboratory NCSX vacuum vessel design team, which includes Mike Cole, Paul Goranson, Jim Lyon, Brad Nelson, and David Williamson.



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PPPL's Menard Receives Presidential and DOE Awards



PPPL physicist Jonathan Menard (center) receives the Presidential Early Career Award for Scientists and Engineers. Dr. John Marburger (right), Director of the Office of Science and Technology Policy, presented the awards to recipients at a ceremony at the Old Executive Office Building next to the White House. At left is DOE Office of Science Director Ray Orbach.

At a White House ceremony on May 4, PPPL scientist Jonathan Menard received the Presidential Early Career Award for Scientists and Engineers. Menard was among 58 researchers supported by 11 federal agencies who received the award. The Presidential award is the highest honor bestowed by the U.S. government on outstanding scientists and engineers who are beginning their independent careers. Each Presidential award winner received a citation, a plaque, and a commitment for continued funding of their work from their agency for five years. Dr. John Marburger, Director of the Office of Science and Technology Policy, presented the awards.

Before the White House ceremony, the seven researchers described their work at a ceremony at DOE headquarters hosted by Secretary of Energy Spencer Abraham.

“Each of these researchers has made a distinctive contribution both as an independent investigator and as a team member,” Secretary Abraham said. “Individually and collectively, they continue to be sources of invaluable technical direction and expertise in support of the department’s research and development and national security missions.”

At the DOE event, Menard was among five of the scientists from DOE national laboratories who received the DOE’s Office of Science Early Career Scientist and Engineer Award.

Heart of the Physics Basis

Both the Presidential and Department of Energy awards cite Menard for performing studies to optimize the stability of fusion plasmas and providing the heart of the physics basis for a new, spherical plasma fusion reactor.

After receiving a bachelor’s degree in nuclear engineering from the University of Wisconsin-Madison in 1992, Menard went on to receive a master’s and a Ph.D. in plasma physics from Princeton University, Department of Astrophysical Sciences, in 1994 and 1998, respectively. He conducted post-doctoral research at PPPL before joining the research staff in 1999. Among his honors, Menard received the “Best Student Paper” award from the American Nuclear Society Fusion Energy Division in 1998, the Princeton University Honorable Fellowship in 1996, and the U.S. Department of Energy Magnetic Fusion Science Fellowship in 1993.

Congratulations, Jon! ●

Hotline

Editor/Writer: Patti Wieser
Photographer: Elle Starkman

Graphic Artist: Greg Czechowicz
Layout: Patti Wieser

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Lab's Emergency Group Displays Equipment



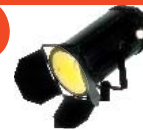
To note National Emergency Medical Services Week, PPPL's Emergency Services Unit (ESU) had emergency medical equipment on display in the LSB Lobby on May 19. From left, ESU's Darren Thompson and Chris Snyder show one of the Laboratory's Automatic External Defibrillators to PPPL's Doug Labrie. Behind the three is ESU Captain Dave Neuman. Below are Thompson and Snyder at the display. ●



Volunteers Needed for PPPL Open House

Volunteers are need for PPPL's Open House Saturday, June 12, from 10 a.m. to 4 p.m. Please contact Sue Hill via e-mail at shill@pppl.gov or by phone at ext. 2227. ●

Spotlight



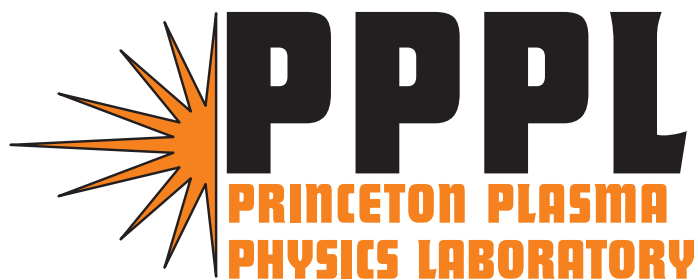
Name: Joanne Savino

Position: Office Administrator for the National Spherical Torus Experiment (NSTX). Responsible for day-to-day operations of the NSTX project office. Assists the third-floor NSTX physicists and serves as the administrative contact for the project's collaborators.

Quote: I've been very lucky to be able to work at a place that may someday help the world. I'm not a physicist or an engineer, but by helping the researchers here, I can contribute to the Lab's mission of providing a new source of energy. Providing support on a collaborative experiment such as NSTX also has given me the opportunity to meet many interesting people from all over the world — Japan, Russia, Korea, and England. I came to PPPL in 1978, starting out as a keypunch operator and working in various capacities for different areas of the Lab before joining the NSTX staff about five years ago. PPPL is a special place with special people. We're like family here.

Other interests: Enjoys boating with her husband, Greg, on their 21-foot Sea Ray at Barnegat Bay, and fishing for flounder and bluefish. She also likes spending time with the couple's animal companions, including two dogs — a Doberman and an Australian shepherd — one parrot, and three cats. Savino is a Chicago Cubs fan and "muscle car" enthusiast. "My husband and I always like to have a fun car. Now I drive a 1986 red convertible Corvette."



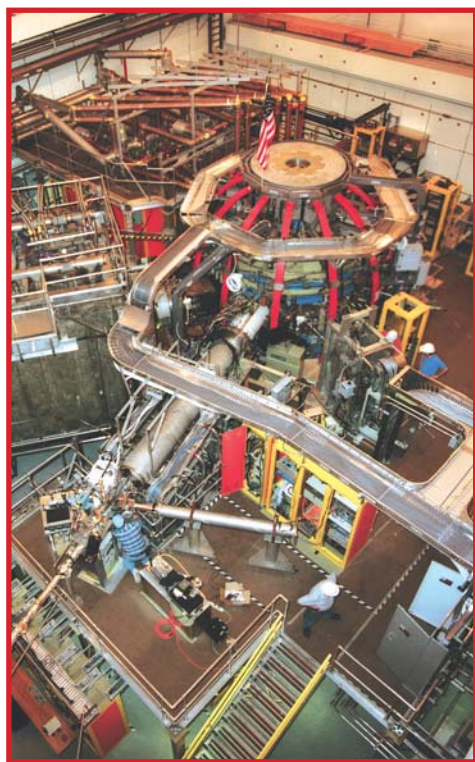


The U.S. Department of Energy's
PRINCETON PLASMA PHYSICS LABORATORY
is holding an

OPEN HOUSE

on Saturday, June 12

from 10 a.m. to 4 p.m.



- ✦ *Tours of the Laboratory.*
- ✦ *Hands-on science demonstrations.*
- ✦ *Energy and plasma-related exhibits.*
- ✦ *Emergency services equipment.*
- ✦ *Food and fun.*
- ✦ *Something for everyone.*



The Princeton Plasma Physics Laboratory
is located off U.S. Route 1 in Plainsboro
on the Forrestal Campus of Princeton University.



www.pppl.gov