

Please register by September 26

by faxing this form to: (631) 224-7653

or by mailing to:

Central Pine Barrens Commission

P.O. Box 587

Great River, New York 11739-0587

(631)224-2604

Please check the appropriate boxes:

() I will attend the seminar on October 6

() I will attend the Student Science Symposium on
October 7

() I would like to attend the field trip on October 7

Name: _____

Representing: _____

Address: _____

Phone: _____

Fax: _____

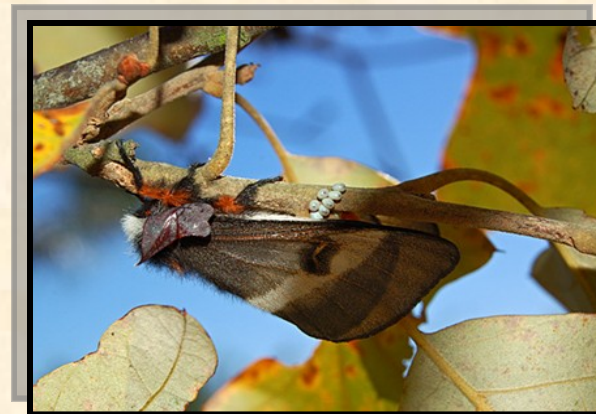
Email: _____

Directions to Brookhaven National Laboratory:

Take LI Expressway (Rt. 495) to Exit 68 north
(Wm. Floyd Parkway) and drive north approximately
1.7 miles. Turn right into the Laboratory's main
entrance. Stop at the booth to check in. Valid
photo identification is required. Proceed to the
light, turn left onto Upton Road, right onto
Brookhaven Ave., and Berkner Hall Auditorium is
on the left. Free parking is available adjacent
to Berkner Hall.

Central Pine Barrens Commission
P.O. Box 587
Great River, NY 11739

Sixteenth Annual Pine Barrens Research Forum



October 6 & 7, 2011
Brookhaven National Laboratory
Berkner Hall
Upton, New York

Sponsored by:

Brookhaven National Laboratory,
Central Pine Barrens Commission,
L.I. Groundwater Research Institute
at Stony Brook, and the Foundation for
Ecological Research in the Northeast

Pine Barrens Research Forum 2011

Thursday, October 6

8:30 am – Registration & Coffee

9:00 am - Welcome

John Pavacic, *Executive Director,
Central Pine Barrens Commission*

Samuel Aronson, *Director,
Brookhaven National Laboratory*

Michael Holland, *Manager,
Brookhaven Area Office, U.S.
Department of Energy*

Peter A. Scully, *Chair, Central Pine
Barrens Commission and Regional
Director, N.Y.S Department of
Environmental Conservation*

9:15 am - Suffolk County Nitrogen Project.

Brian Culhane, *Commissioner,
Suffolk County Department of
Environment and Energy*

**9:45 am - Long-term environmental
monitoring of aquatic and wetland
resources in the New Jersey**

Pinelands. Nicholas Procopio III,
*Research Scientist, New Jersey Pinelands
Commission*

10:15 am - Break & Poster Session

**10:45 am - Understanding the effects of land
use on Long Island's renewable
groundwater resources. Judy Denver**,
*Hydrologist, USGS Maryland-
Delaware-DC Water Science
Center*

**11:15 am - Sea level rise effects on tidal
freshwater wetland functions in the
Hudson River. Stuart Findlay**, *Aquatic
Ecologist, Cary Institute of Ecosystem
Studies*

**11:45 am - Comparative ecology of Lyme disease
and human babesiosis: Effects of
host quality on disease dynamics.**

Michelle Hersh, *Ecologist, Cary
Institute of Ecosystem Studies*

12:15 pm - Lunch

1:30 pm - The 4-poster deer and tick study on

Long Island. Dan Gilrein, *Extension
Entomologist, Cornell Cooperative
Extension of Suffolk County*

**2:00 pm - Integrated marsh management at
Wertheim National Wildlife Refuge,
Long Island, NY. Ilia Rochlin**,

*Entomologist, Suffolk County Department of
Environment and Energy*

**2:30 pm - Spatial movement and diet of adult
white perch (*Morone americana*)**

in Great South Bay. Robert Cerrato,
*Associate Professor, Stony Brook
University*

**3:00 pm - History of the American chestnut
(*Castanea dentata*) on Long Island and
status of restoration efforts. Enrico**

Nardone, *Executive Director, Seatuck
Environmental Association*

3:30 pm - Closing Remarks. Tim Green,
*Cultural and Natural Resource Manager,
Brookhaven National Laboratory*

Friday, October 7

8:00 am - 10:00 am

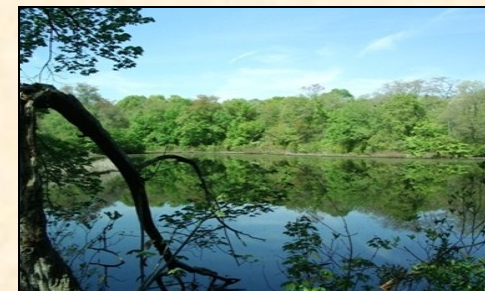
Student Science Symposium

Through a web conference and on-site presentations, the Central Pine Barrens Commission, Sayville High School, Patchogue-Medford High School, and our partner school in Pisa, Italy's Migliarino-San Rossore-Massaciuccoli (MSRM) Regional Park area will present two analytical comparisons of research conducted in the Carmans River area of the Central Pine Barrens and the Arno River area of MSRM. Included in this symposium will be a joint investigation by Sayville High School students of DNA samples obtained from a dragonfly of the genus *Sympetrum*, a species found in both regions. In addition, Patchogue-Medford High School students will examine and compare the heavy metal content of soil and sediment samples from both river systems as well. The work presented and the resources which supported these studies are due to our partnership with Brookhaven National Lab's Office of Education and the National Synchrotron Light Source (NSLS).

10:30 am - 1:30 pm

Field Trip to Hubbard County Park

Located within the Peconic Estuary, the Hubbard County Park region is a rich assemblage of ecological communities and is the only place that the Central Pine Barrens intersects the Peconic Bay. This scenic area, managed by the Suffolk County Department of Parks, also contains winding creeks, unique historic resources, including Black Duck Lodge, and the Paumanok Path. Early registration is required. Limited to 25 participants, who will be confirmed by phone. Bring lunch, water, tick protection, and prepare to hike about two miles.



*Owl Pond, Flanders, NY
Photograph courtesy of Tom Casey*