



National Electric Code Compliance for PHOTOVOLTAIC (PV) Systems

**March 6 – Syracuse, NY
March 8 – Troy, NY**

A four (4.0) hour course presenting a standardized Guidelines for applying the National Electric Code (NEC) and related provisions of the New York State Uniform Fire Protection and Building Code to photovoltaic (PV) system installations.

The New York State Department of State Division of Code Enforcement and Administration has approved accreditation of this course for 4.0 hours of code enforcement in-service training.

Why the Need to Learn About PV Systems? PV systems allow homeowners and others to convert solar energy into electricity. The PV generated electricity can serve electricity uses on site and be fed back into the local electric power grid. An increasing number of PV systems are being installed in New York State in response to financial incentives (from New York State and LIPA) and now new federal tax credits for these PV systems. Guidelines have been developed to assist local building code officials and to clarify the installation requirements for PV system installers.

What is Available to Help Inspectors Apply the Codes? The Guidelines, developed with funding support from the US Department of Energy, provide a common set of informational requirements needed to demonstrate satisfaction of electrical and building code standards, the Guidelines may reduce the time, cost and uncertainty of local safety review. The course will present the Guidelines and offer participants an opportunity to suggest ways to improve the Guidelines for use in New York State.

Four class hours will:

- **Identify the codes and standards that apply to PV installations**
- **Summarize important PV electrical installation issues, including:**
 - **DC wiring**
 - **National Electric Code (NEC) Article 690**
 - **Wiring methods**
 - **System grounding**
- **Address relevant changes in the 2005 NEC**
- **Present permit and field inspector guidelines for PV systems**

Lunch will be provided

Who Should Attend? Local Code Enforcement Officers, Building Department Officials and third party electric inspectors serving local government in New York State.

Who is the Instructor? **Bill Brooks** of Brooks Engineering has nearly 20 years experience designing and installing grid-connected PV systems. He is the principal author of Inspector Guidelines for PV Systems. Actively involved in the developments of PV codes and standards including IEEE-929 (PV Utility Interconnection) and for NEC Article 690 (Solar Photovoltaic Systems), he holds B.S. and M.S. degrees in Mechanical Engineering from North Carolina State University and is a registered professional engineer in North Carolina and California.

Course Dates:

- Monday, March 6, 2006 – Syracuse, NY 10 AM to 2:30 PM
- Wednesday, March 8, 2006 – Troy, NY 10 AM to 2:30 PM

Location:

- **Syracuse:** **SUNY College of Environmental Science and Forestry**
 - Moon Library - parking in SU Irving Garage see map at www.esf.edu/outreach/maps/
- **Troy:** **Hudson Valley Community College**
 - The Bulmer Telecommunications Center is # 2 on the campus map and participants can use parking lot B or Q see map at: www.hvcc.edu/campusmap/campus_map.html

Cost: \$30.00 registration – includes course materials and lunch

Registration: Send registration form (attached) and a check for \$30 (payable to Pace University) to

**Attn: Loretta Musial
Pace Law School Energy Project
78 North Broadway, E-House
White Plains, New York 10603**

Space available on a first-come, first-serve basis, and class sizes limited—so register early!

**Presented by
Pace Law School Energy Project**

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the New York State Energy Research and Development Authority
through the New York Energy \$mart Program**

Registration Form:
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for PHOTOVOLTAIC (PV) Systems

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Name(s) _____

Title _____

Organization _____

Address/City/State/Zip _____

Phone _____ E-mail _____

Workshop: Syracuse or Troy (circle one)

Registration Payment enclosed _____

Make checks payable to "Pace University".

Limited space available -- on a first-come, first-serve basis--so register early!

No Credit Cards Accepted. Payment due with registration. Full refunds before March 1. No refunds after March 1.

Return payment, and registration form to:

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Pace Law School Energy Project
78 North Broadway, E-House
White Plains, New York 10603

Attendance limited.

4.0 hours of code enforcement in-service training credit by the New York State Department of State Division of Code Enforcement and Administration

- *Course Number: 49-5514*
- *In-Service Number: 68-1012MMYY0000*

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