

# Commercial PV Design Course

***By popular demand – a new one-day course focusing on  
Commercial PV Design, Specification, and Planning  
Taught by one of New York State’s Leading Installers***

Presented by:

## **New York Solar Energy Industries Association**

To be held:

**Thursday, November 8, 9:00 am to 5:00 pm**

New York Power Authority  
Jaguar Room  
White Plains, New York

### **Purpose**

Join Dr. Gay Canough, a leading New York PV instructor, for her new, one-day course on Commercial PV Design, Specification, and Planning. The course is being offered in response to industry demand and is directed toward experienced PV installers, Professional Engineers, Utility Engineers, and other professionals interested in learning how to design, specify, and plan commercial-scale PV systems. Such systems are increasingly in demand in New York State, partially as a result of the State’s mandate to ensure a portion of energy used in public (commercial-scale) buildings is met by renewable energy. Examples of topics to be covered include:

1. Conducting a site survey of a large building
  2. Assessing the roof for weight loading
  3. The National Electric Code (NEC) for commercial PV
  4. Feeding 3-phase systems
  5. Series string sizing
  6. Choosing the appropriate inverter ...
- And more

### **Why Learn About Commercial PV Systems?**

An increasing number of commercial-scale PV systems are being installed in New York State in response to financial incentives and widespread concern for energy security and clean energy. PV systems allow building owners and others to convert solar energy into electricity. The PV generated electricity can supply electricity used on-site and can be fed back into the local electric power grid.

### **Who Should Attend?**

\* PV Installers  
\* Third Party Electric Inspectors

\* Professional Engineers  
\* Other Interested Parties

\* Utility engineers

## Time Required for the Course

6 hours of training provided in one day.

## Who is the Instructor?

Dr. Gay Canough (PhD, physics, U of Notre Dame, 1988) has worked in the solar energy field since 1993, installing mostly photovoltaic systems. She founded Extraterrestrial Materials, Inc. (ETM Solar Works) in 1988. Since 1993, ETM has installed over 600 kW of PV and has grown to 4 full time employees and 4 part time employees. Dr. Canough began instructing electricians and other interested professionals on how to install photovoltaic (PV) systems in 2000. She has taught her PV Installer's Course over 85 times and has developed a dedicated following of students and professionals throughout the solar industry. Dr. Canough's PV Installer's Course is one of the most popular in NYS, and continues to be offered in other states, such as New Jersey. Dr. Canough received certification as a Master from the Institute of Sustainable Power (<http://www.irecusa.org/ispq/news.html>). In the fall of 2003, she received certification as a PV installer from the North American Board of Certified Energy Practitioners ([www.NABCEP.org](http://www.NABCEP.org)). Dr. Canough is also a NYSERDA-eligible installer in the State of New York.

## Earn 7 Hours of NABCEP Continuing Education Credits

This course is approved by NABCEP. Installers who complete the course will earn 7 hours of NABCEP Continuing Education Credits.

## Registration Fees

For registrations postmarked and paid **by October 15, 2007**:

**\$200 for NYSEIA members**

**\$250 for non-members**

For registrations postmarked and paid **after October 15, 2007**:

**\$250 for NYSEIA members**

**\$300 for non-members**

The fee includes course materials, morning coffee, lunch (consisting of a sandwich and beverage buffet), and an afternoon snack. A registration form is attached. Please make payment in cash or by check. Credit cards are not accepted.

## Minimum Registration Requirements

A minimum of 15 students **paid in full** is required by October 31, 2007. If the class is cancelled due to limited enrollment, the registration fee will be reimbursed in full. Maximum class size will be 50 students.

## For More Information, Contact:

Christine Donovan, Executive Director  
New York Solar Energy Industries Association (NYSEIA)  
533 Woodford Avenue  
Endicott, NY 13760  
Telephone: 518-495-1454  
Email: [ctdonovan@nysiea.org](mailto:ctdonovan@nysiea.org)

## Commercial PV Design Course:

Presented by:  
New York Solar Energy Industries Association

Taught by:  
Dr. Gay Canough

Thursday, November 8, 2007  
9:00 to 5:00 pm

New York Power Authority  
Jaguar Room  
White Plains, New York

### REGISTRATION FORM

NAME \_\_\_\_\_

TITLE \_\_\_\_\_

COMPANY/AGENCY \_\_\_\_\_

ADDRESS \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP CODE \_\_\_\_\_

TELEPHONE \_\_\_\_\_ FAX \_\_\_\_\_

EMAIL \_\_\_\_\_

Registration fee includes course materials, morning coffee, lunch, and afternoon snack.

For registrations postmarked and paid **by October 15, 2007:**

**\$200 for NYSEIA members**

**\$250 for non-members**

For registrations postmarked and paid **after October 15, 2007:**

**\$250 for NYSEIA members**

**\$300 for non-members**

\_\_\_\_\_ Course Registration(s) x \_\_\_\_\_ per registration = \_\_\_\_\_ TOTAL DUE

*Credit cards not accepted. Please send check or money order payable to NYSEIA to:*

NYSEIA  
533 Woodford Avenue  
Endicott, New York 13760

*For more information, contact:*

Christine Donovan, NYSEIA Executive Vice President  
[info@nyseia.org](mailto:info@nyseia.org) (518) 495-1454