



## Photovoltaics in Buildings: Design Guidance for Practicing Professionals

<b><u>Date/Time</u></b>	Friday, October 17, 2008 8:00 AM to 5:00 PM <i>Registration opens at 7:30 AM (includes continental breakfast &amp; lunch)</i>
<b><u>Location</u></b>	The Bright Shawl 819 Augusta – free parking
<b><u>Certification</u></b>	8 AIA Continuing Education Credits ( <i>Health, Safety, Welfare accredited</i> )
<b><u>Cost</u></b>	AIA, Solar SA, AGC, PEPP Members                      \$125/\$155 Non-Members    \$155/\$195

### MEET THE PRESENTER

**Steven J. Strong** is the Founder and President of Solar Design Associates, Inc., a team of Engineers and Architects dedicated to the design of environmentally responsive buildings, and the engineering and integration of renewable energy systems which incorporate the latest in innovative technology. His firm has an international reputation for the pioneering integration of renewable energy systems - especially solar electricity - with environmentally responsive building design.

Over the last 25 years, Strong has designed dozens of homes and buildings powered by solar electricity. In 1984, working with New England Electric, he completed the world's first PV-powered neighborhood in central Massachusetts. In 1996, he worked with Olympic Village architects to power the 1996 Summer Games in Atlanta with solar electricity using the world's largest roof-top PV power system.

Steven Strong is the author of *The Solar Electric House* and *Solar Electric Buildings, an Overview of Today's Applications* and the editor and contributing author of *Photovoltaics in the Built Environment, a Design Guide for Architects and Engineers* as well as contributing author to *Photovoltaics in Buildings and Building with Photovoltaics*.

*Solar San Antonio thanks the Grace W. Baskin Charitable Fund of the San Antonio Area Foundation for its generous support of this seminar.*

### SEMINAR OVERVIEW

- **PV Cell & Module Technology** – the basics of photovoltaics including how a cell works, power and connection, module construction, PV technology, the environmental aspects of PV and the new dimension of design freedom afford architects by the use of photovoltaics.
- **Overview of PV Systems Options & Applications** – the introduction to basic systems and components with application examples.
- **Photovoltaics in Buildings: Options, Materials and Methods** – design options for incorporating BIPV in residential and commercial buildings, including technology options available to the architect as design elements.

- **Photovoltaics in Buildings: A World Overview** – a highly visual world overview of building-integrated PV activity including a description of component and systems development using the best built examples of Solar Electric Architecture in the United States, Europe and Japan.
- **PV Powered Buildings - Detail Case Studies** – overview of basic system sizing and performance parameters; review of PV-in-Buildings construction process for selected project examples (commercial & residential)
- **Codes, Economics & Incentives** – economics and motivation; electrical, mechanical and structural code issues; operations and maintenance issues: reliability and longevity; and available state and federal incentives.
- **Questions & Discussion Session**

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*Class Size Limited – Register Early! Payment in advance is required to hold reservation.*



Name \_\_\_\_\_ Firm \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

DaytimePhone \_\_\_\_\_ E-mail \_\_\_\_\_

\_\_\_\_\_ I wish to register for the seminar

### Member Rate (AIA, Solar SA, USGBC, PEPP)

- Early Bird – on or before 10/10 \$125
- Registration after October 10 \$155

### Non-Member Rate

- Early Bird – on or before 10/10 \$155
- Registration after October 10 \$195

TOTAL \$ \_\_\_\_\_

### PAYMENT OPTIONS

MC/VISA/AmExp \_\_\_\_\_ Exp. \_\_\_\_\_

Signature \_\_\_\_\_

**Mail to: AIA San Antonio 816 Camaron, #211 San Antonio, TX 78212 Tel: 210-226-4979**

Registration form and payment must be received to confirm registration. Cancellations must be made in writing three business days prior to seminar and are subject to a \$10 cancellation fee per class. No walk-ins.

**Fax Your Registration Today! (210) 226-3062 or **BE GREEN!** E-mail this form to [laura@aiasa.org](mailto:laura@aiasa.org)**