

## San Francisco IEEE / IAS Chapter Seminar Notice

### Energy Efficiency – Green Design Considerations

Friday, May 15, 2009 - Marriott Pleasanton

#### Five Very Big Green Topics

Pre-Register  
by May 8<sup>th</sup>!

- (1) **Low Voltage Transformers:** A discussion on the application of Low Voltage Transformers with respect to energy efficiency. We will review the various transformer options related to transformer efficiency and how they affect the efficiency. **Speakers: Finn Schenck**, Integrated Building Solutions, the supplier of IBIS, a graphical user interface and reporting tool for facility and enterprise level integration. **Gary Fox, PE**, General Electric, Senior Member IEEE, 27 year veteran of GE Industrial, past Chair SF/IAS and past Chair of the IEEE SF Bay Area Council. **Peter Ouellette**, Northern Ca District Mgr. for Powersmiths International.
- (2) **Life Cycle Cost Analysis:** Most decisions consider financial effects, but a different choice may be evident if the life cycle cost is considered rather than just the initial cost. We will review the financial basics, and explore practical examples, including public utility rates, equipment costs, and energy saving options common to many commercial projects. **Speaker: Jamie Fox, PE** - The Engineering Enterprise, a consulting firm located in Alameda and Auburn specializing in generating cost effective and functional electrical system designs. With 6 years of experience, Jamie has researched life cycle cost analysis for projects wishing to include long payback items such as daylight dimming controls and solar power.
- (3) **Photo Voltaic Design:** Photovoltaics provide an alternative method for generating power for businesses and residences. Engineers need to consider NEC code requirements and PG&E requirements when designing PV systems. Our discussion will review the issues that arise when designing PV systems that will connect to the utility. **Speaker: Albert Pham**, PG&E Albert is a meter engineer, working in PG&E's Standards and Strategy Department. His responsibilities include evaluation of special metering applications and revenue metering requirements for generation projects.
- (4) **Lighting control and the 2008 Building Energy Efficiency Standards:** This presentation provides a comprehensive overview of the lighting control requirements for California's 2008 Building Energy Efficiency Standards. These standards require strategies such as time scheduling, occupancy sensors, multilevel switching and day lighting controls. You will learn the specific lighting control code requirements for both interior and exterior applications. We will discuss how these requirements impact building design decisions and how to immediately apply lighting control solutions in the design of code-compliant projects. **Speaker: Brian Friedel**, Wattstopper. With 14 years of industry experience, Brian has worked as both a Project Manager and District Sales Manager. From his work with engineers, contractors, and owners, he has significant experience applying an integrated approach to lighting design to maximize energy efficiency and customer comfort.
- (5) **Practical Guide to Energy Efficient Design:** Mark Fischer will use case studies to present how the engineer can implement various energy efficient designs into real world applications. We will review the pros and cons associated with applying energy efficient design concepts and discuss the merits of various design challenges. **Speaker: Mark Fisher, PE**, Integrated Design Associates (IDeAs) has 23 years experience in electric design since graduating from Penn State's Architectural Engineering program. Mark has spoken on sustainable engineering at conferences/meetings for AIA, BOMA, CASH, Green California Summit, University of Nebraska and the Architectural Engineering Institute National Conference, among others. He currently sits on the State Architect's Green Ad Hoc Committee. Mark's firm, Integrated Design Associates (IDeAs), is a San Jose based consulting firm specializing in sustainable design of electrical, lighting and communication systems.

## WHEN and WHERE

**Date:** Friday - May 15, 2009

**Time:** 8:00 am Registration,  
Continental Breakfast  
8:30 am – 4:40 pm  
Conference and Lunch

**Location:** Marriott Pleasanton  
11950 Dublin Canyon Rd.  
Pleasanton, CA 94588  
925-847-6000

**Cost:** \$225.00 Total Cost Pre-  
registration required.  
Please fill in attached form

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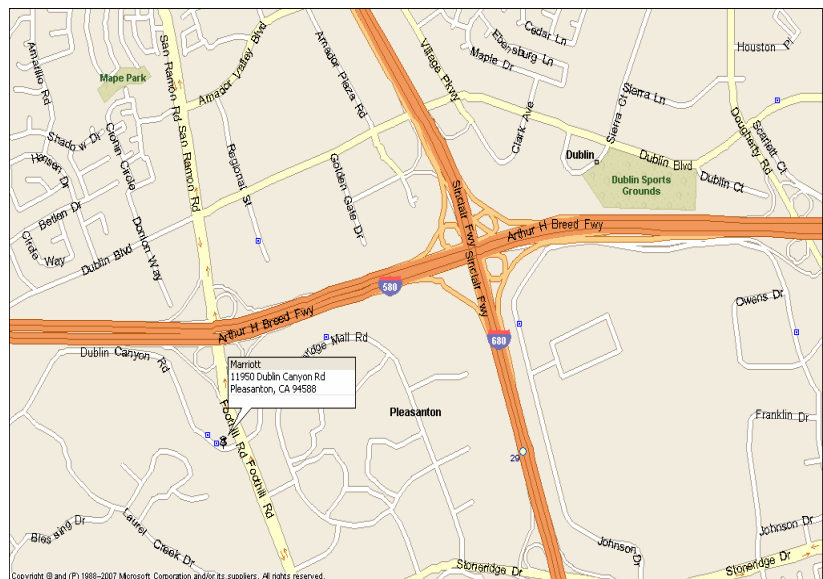
## BONUS

Each attendee receives these two books:

- **Practical Photovoltaics:  
Electricity from Solar Cells**
- **Life Cycle Costing for  
Facilities**

As well as:

- Speakers' presentation notes



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**Mail Form To:**

Integrated Building Solutions  
2000 Crow Canyon Place  
Suite 440  
San Ramon, CA 94583

Attn: IEEE / IAS Seminar  
Finn Schenck

**Registration Form**

**Sign up multiple attendees on one form**

*Please print clearly*

**PREREGISTER:** If sending **AFTER April 30**, please **FIRST** email/phone names to Finn Schenck, [finn@ibs-cal.com](mailto:finn@ibs-cal.com) / 925.244.1900.

**NAME**

**Phone**

**E-Mail**

Attendee 1: \_\_\_\_\_

Attendee 2: \_\_\_\_\_

Attendee 3: \_\_\_\_\_

Attendee 4: \_\_\_\_\_

Company: \_\_\_\_\_

Address: \_\_\_\_\_

**Make life easy – Attach your business card(s) to this form, in lieu of filling out the above**

**Cost:** \$225.00. First attendee.  
Sign up by April 30, 2009, and additional attendees, with the same company address, receive a \$25.00 discount.

- (1) Attendee - \$225.00
- (2) Attendees - \$425.00
- (3) Attendees - \$625.00
- (4) Attendees - \$825.00

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