

## IEEE CONTINUING EDUCATION ON DEMAND

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Mail a copy of your completed registration form along with your check payable to **IEEE CED SEMINARS** at the following address:

IEEE CED SEMINARS  
ERIKA LUGO  
TURTLE & HUGHES, INC.  
6611 SUPPLY ROW  
HOUSTON, TX 77011  
[herika@turtle.com](mailto:herika@turtle.com)

Registration receipts will be available upon request **at the seminars.**

For a cancellation refund, telephone Erika Lugo by the Friday before the seminar at:

Phone: 713-230-5243  
Fax: 713-923-9009  
Email: [herika@turtle.com](mailto:herika@turtle.com)

IEEE Continuing Education on Demand Completion Certificate with Continuing Education Units (CEUs) is provided after receipt of both nightly questionnaires and seminar evaluation sheets.

Please direct seminar questions to:  
Paul Barrett at 713-598-0790

Please check the IEEE Houston Section website for the latest schedule and course information.

<http://www.ieee-houston.org>

## 2008 - 2009 REGISTRATION FORM

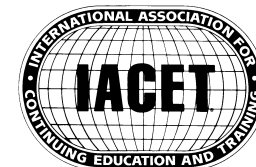
Seminar Title	Code	Date	Amount
Substation Design: Components, Layout, Arrangement & reliability	450	Oct. 7 - 8	\$
Turbine Generator Applications & Control	990	Oct. 21 - 22	\$
HV Power Transformer Design, Dynamics and Testing	950	Nov. 4 - 5	\$
Power System Engineering Design Considerations	930	Nov 18 - 19	\$
Industrial Lighting Application & Design	250	Feb. 3 - 4	\$
Area Classification Application Considerations	500	Feb. 17 - 18	\$
MV, HV & EHV Cable Considerations	330	Mar. 3 - 4	\$
HV Substation Grounding Considerations	910	Mar. 17 - 18	\$
Emergency Standby Eng-Generator Systems Application Considerations	860	Apr. 14 -15	\$
Professional Ethics and Professional Liability	102	Apr. 28 - 29	\$
Total Paid:			\$

Enter amount for each seminar:

IEEE member early signup: \$ 85.00  
Non-member registration: \$200.00



# IEEE Houston Section 2008 - 2009 Continuing Education On Demand



## IEEE CONTINUING EDUCATION ON DEMAND

The purpose of IEEE Houston Section Continuing Education on Demand is to provide modern practical industrial power application topics that supplement the daily work activities of the practicing graduate electrical engineer.

The seminars are intended to stimulate further study and discussion for learning continuance throughout the working career. Topics apply to heavy industries: oil and gas, petro-chem, cogen, marine offshore, etc.

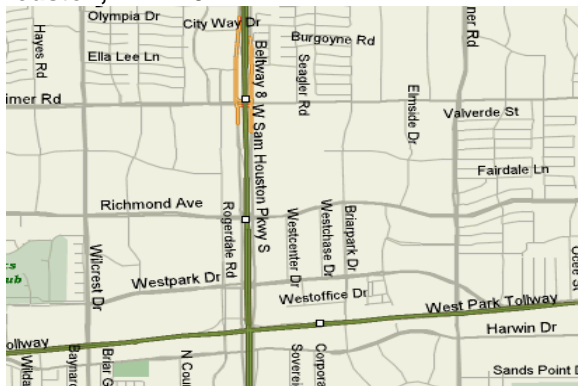
Instructors are application engineers, manufacturing specialists and expert consultants who provide a blend of diverse engineering perspectives.

The cost of each seminar is \$85.00 for IEEE members. Non-members \$200.00. **The check must be received the Friday before the seminar start date.** "Pay at the door" is discouraged due to numerous "no-shows". If you have a special situation contact Paul Barrett (713) 598-0790. Signing up the week of the seminar does not guarantee seminar presentation documents or meals.

The following 2008-2009 seminar schedule defines the topics, dates and times. A course syllabus is available on request. Minimum class size is twenty for each seminar. Seating is limited and filled on an as received basis. Presentation documents are provided. A buffet is served from 5:00PM-6:00PM.

### Seminar Location 2008 - 2009

**Jacobs Engineering, Tower Two  
5995 Rogerdale Road  
Houston, TX. 77072**



### Fall of 2008 IEEE Seminar Schedule

#### **Substation Design: Components, Layout, Arrangement and reliability; Dave Chapman, Dominik Pieniazek, Dashiell LLC.**

Oct. 7-8, 2008 6:00-8:50PM

Nite 1 - Common substation components and hardware review; substation layout & apparatus arrangement, eng. & design calculations required. Nite – 2 Discussion on how substation reliability changes with substation layout, selection of protection, communication and telemetry selection. **[0.5 CEU]**

#### **Turbine Generator Application & Control Basics Rich Kamphaus and Todd Griess, Woodward**

Oct. 21-22, 2008 6:00-8:50PM

Steam & gas turbine application & control; Gen power management application & control **[0.5 CEU]**

#### **HV Power Transformer Design, Dynamics & Testing William Young, Allen Darwin, Areva T&D**

Nov 4-5, 2008 6:00-8:50PM

A technical presentation focused on HV power transformer design stds & considerations, inrush dynamics, cooling fluids, testing and commissioning. **[0.5 CEU]**

#### **Power System Engineering Design Considerations Dr. Kurt Ederhoff, P.E., VI Engineering**

Nov. 18-19, 2008 6:00-8:50PM

A technical study of design considerations, techniques and strategies for industrial power systems engineers. **[0.5 CEU]**

### Spring of 2009 IEEE Seminar Schedule

#### **Industrial Lighting & Application Design**

**Mike King – Crouse Hinds**

**Mike Wilson - KBR**

Feb. 3-4, 2009 6:00-8:50PM

Technical presentation on Industrial Lighting applications, design considerations, concepts and configurations, . **[0.5 CEU]**

#### **Area Classification Application Considerations Vincent Wedelich, P.E., Burns & McDonnell Engrs**

Feb. 17-18, 2009 6:00-8:50PM

Includes Section 500 review for industrial applications. Site review considerations. Hazardous area equipment selection, classification and cert reqmnts. **[0.5 CEU]**

#### **MV, HV & EHV Cable Considerations**

**Jim Fitzgerald, P.E., The Okonite Company**

**George Matto, P.E., The Okonite Company**

March 3 -4, 2009 6:00-8:50PM

Nite 1 - MV, HV & EHV Cable design considerations, specs, installation issues. Nite 2 - Cable considerations for AC Drives applications. **[0.5 CEU]**

#### **HV Substation Grounding Considerations**

**Matt McBurnett, P.E., VI Engineering**

March 17-18, 2009 6:00-8:50PM

Includes HV substation grounding and GPR calculations, remote ground, protection strategies **[0.5 CEU]**

#### **Emergency Standby Engine Generator Systems**

**Dave Lobad, P.E., Waukesha Pierce Industries**

April, 14-15, 2009 6:00-8:50PM

Emergency Standby Eng-Gen basics. System design considerations. Equipment sizing, protection, power transfer schemes. Case studies. **[0.5 CEU]**

**Professional Ethics & Professional Liability**

**Roy E. Cosse, P.E. Chevron Corp**

**Chris Karpathy, Regional Legal Counsel AECOM**

April. 28-29, 2009 6:00-8:50PM

A focused presentation on professional ethics and legal liability considerations for practicing P.E.'s **[0.5**

**CEU]**