

IEEE CONTINUING EDUCATION ON DEMAND

2011 - 2012 REGISTRATION FORM

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

IEEE CED SEMINARS
 Nick Nichols
 Point Eight Power
 2511 Talina Way
 Houston, TX 77080

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

For a cancellation refund, contact Nick Nichols by the Friday before the seminar at:

Phone: 281-435-4968
 Email: nnichols@pointeightpower.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 713-598-0790
 John Stadler 281-881-9615

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

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

Seminar Title	Code	Date	Amount
Motor Bus Transfer Schemes and MV Transformer Protection	345	Oct 4-5	\$
Condition On-Line Monitoring Technologies	850	Oct 18-19	\$
Arc Fault Testing in MV Switchgear IEEE vs. IEC	740	Nov 1-2	\$
Primary Testing Large MV Power Transformers	660	Nov 15-16	\$
Industrial UPS and DC Power Systems	807	Feb 7-8	\$
API Motor Stds Update API FAT Considerations	620	Feb 21-22	\$
NFPA Arc Flash Project NFPA 70E Update	700	Mar 6-7	\$
Protection Systems and Scheme Testing	360	Mar 20-21	\$
Generator Operation Controls & System Design	670	Apr 10-11	\$
Stability Studies for Industrial Power Systems	375	Apr 24-25	\$
Total Paid:			\$

Enter amount for each seminar:

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



**IEEE
 Houston
 Section**

2011 - 2012

**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 electrical power systems as relates to oil and gas, petro-chem, co-gen, marine offshore, etc..

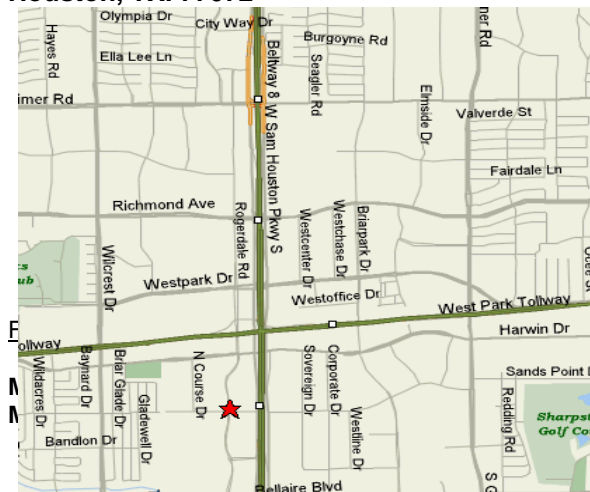
Instructors are application engineers, manufacturing specialists and expert consultants who provide a blend of diverse engineering perspectives.

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 Nick Nichols 281-435-4968 or John Stadler 281-881-9615. Signing up the week of the seminar does not guarantee seminar presentation documents or meals.

The following 2011-2012 seminar schedule defines the topics, dates and times. A course syllabus is available on request. Minimum class size is twenty per seminar. Seating is limited and filled on an as received basis. Presentation documents are provided. A buffet meal is served from 5:00PM-6:00PM.

Seminar Location 2011 - 2012

Jacobs Engineering, Tower Two
5985 Rogerdale Road
Houston, TX. 77072



Chuck Mozina, P.E. Beckwith Electric
Oct. 4-5, 2011 6:00-8:50 PM

Nite 1- Examines design and operation of MV bus transfer schemes.

Nite 2- Discusses protection strategies for MV power transformers. **[0.5 CEU]**

Condition On-Line Monitoring Technologies

Joel Benzing Eaton Corp
Dominik Pieniazek, P.E. VI Engineers
Oct. 18-19 2011 6:00-8:50 PM

Discussions compare different condition on-line monitoring technologies, including partial discharge theory and data interpretation for Swgr, motor controls, generators and transformers. Discusses power trans monitoring considerations, dissolved gas analysis, temp monitoring, includes case studies. **[0.5 CEU]**

Arc Fault Testing in MV Switchgear IEEE vs. IEC

Mike Wactor, P.E. Powell Industries
Nov 1-2, 2011 6:00-8:50 PM

Reviews classic switchgear arc fault model, IEEE vs. IEC modeling of arc fault events, test procedures and arc fault forensics. **[0.5 CEU]**

Primary Testing Large MV Power Transformers

Chuck Sweetser P.E. Omicron Electronics
Jill Duplessis Omicron Electronics
Nov 15-16, 2011 6:00-8:50 PM

Reviews power transformer types and technology, Discusses electrical measurements and diagnostic procedures. Testing methods for MV power transformers and ancillary components during commissioning or routine maintenance **[0.5 CEU]**

power systems. [0.5 CEU]

API Motor

Bob Krusemark, P.E. GE Motors
Rolando DeLeon TECO
Feb. 21-22, 2012 6:00-8:50 PM

Nite 1-Comparison of API 547, API 541 & IEEE 841
Nite 2- Ordering an API motor per application specs. FATs & inspection guidelines. [0.5 CEU]

NFPA Arc Flash Project / NFPA 70E Update **Dr. Wei-Jen Lee, P.E. FIEEE UTA EE Dept**

Daleep Mohla, P.E. FIEEE
March 6-7, 2012 6:00-8:50 PM

Nite 1- Overview of NFPA Arc Flash Project. Explores forensics of arc flash phenomena.
Nite 2- Reviews NFPA 70E updates [0.5 CEU]

Protection Systems and Scheme Testing

Dr. Kurt Ederhoff, P.E. VI Engineering
Robert Spiewak P.E. PolAmex Engineering
March 20-21, 2012 6:00-8:50 PM

Discussions include components of the protection design process, design standardization, verification and testing practices, testing speed and repeatability, current injection, and testing automation, [0.5 CEU]

Generator Operation, Controls and System Design

Keith McCarthy P.E. KBR
April 10-11, 2012 6:00-8:50 PM

Review of generator power and voltage controls from control theory to governor droop and isochronous operation. Discussions include utility paralleling, sys design and application considerations [0.5 CEU]

Stability Studies for Industrial Power Systems

Douglas Durand P.E. KBR
April 24-25, 2012 6:00-8:50 PM

Reviews basic power system stability theory, dynamic modeling of generator governor and voltage regulator. Investigates case studies of power systems w/ in-plant generation. [0.5 CEU]

Spring of 2012 IEEE Seminar Schedule

Industrial UPS and DC Power Systems

Gert Andersen Gutor Electronic Ltd Switzerland
Feb. 7-8, 2012 6:00-8:50PM

Detailed discussions on design/application considerations for industrial duty UPS systems and DC