

IEEE CONTINUING EDUCATION ON DEMAND

2002- 2003 REGISTRATION FORM

Name:
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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
 Sandy Crocker - 713 821-4020
 ABB Power T&D Company
 P.O. BOX # 42802
 HOUSTON, TX. 77242

Registration receipts will be distributed **at the seminar**.

For a cancellation refund, telephone by the Friday before the seminar:
 Contact: Beatriz Rey at (713) 821-4027

IEEE Continuing Education On Demand Completion Certificate with Continuing Education Units (CEUs) is provided after receipt of both nightly questionnaires.

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

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

Seminar Title	Code	Date	Amount
Residual Bus Auto Transfer System	111	Oct. 1/2	\$
Symmetrical Components	202	Oct. 15/16	\$
Elect. Safety In Ind.Workplace	921	Oct. 29/ 30	\$
Harmonics Theory And Applications	502	Nov. 12/13	\$
Harmonic Filters	503	Jan. 28/29	\$
CT/PT Application	308	Feb. 11/12	\$
Directional Power Current Relaying	307	Feb. 25/26	\$
Solid-State Starters	504	Mar. 11/12	\$
Relays and Meters Com. Sys. Integration	112	Mar. 25/26	\$
51V Gen Relay, Standby Gen. & UPS	316	Apr. 8/9	\$
Substation Design Appl. And Fund.	312	Apr. 22 /23	\$
Total Paid:			\$

Enter amount for each seminar:

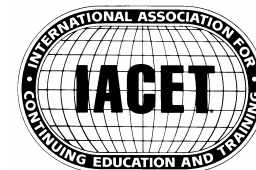
IEEE member registration: \$120.00
 IEEE member early signup: \$ 60.00
 Non-member registration: \$200.00



**IEEE
 Houston
 Section**

2002-2003

**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, pulp and paper, etc.

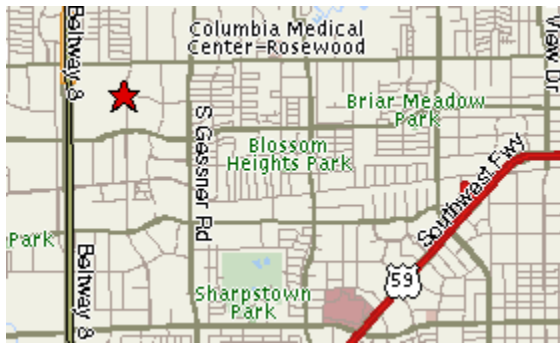
Instructors are application engineers, manufacturing specialists and expert consultants who provide a blend of diverse engineering perspectives.

The cost of each seminar is \$120.00 for IEEE members. "Early Signup" is \$60.00 and the **check must be received the Friday before** the seminar start date. The cost for non-IEEE members is \$200.00. Signup the week of the seminar does not guarantee seminar presentation documents or meals. For IEEE membership application information, contact Jeff Glasgow at (713) 753-2507.

The following 2002-2003 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:

ABB Power T & D Company
3010 Briarpark Drive
Houston, TX. 77042



Fall of 2002 IEEE Seminar Schedule

Residual Bus Automatic Transfer System (111)

James Bowen / Roy Cossé, Powell Elect. Mfg. Co.
Oct. 1/2, 2002 6:00-8:50PM
Reviews fundamentals of a traditional transfer scheme. A modern transfer approach provides guidance for enhanced residual transfer scheme applications. [0.5 CEU]

Symmetrical Components (202)

William Nichols, Siemens Westinghouse Technical Services
Oct. 15/16, 2002 6:00-8:50PM
Reviews basic theory and provides application examples for LL, LG, and LGL faults. Unbalanced voltage concerns are also discussed. [0.5 CEU]

Electrical Safety in Industrial Workplaces (921)

James Bowen, Powell Electrical Mfg. Co.
Oct. 29/30, 2002 6:00-8:50PM
Modern industrial facility safety concerns and NFPA70E are discussed. [0.5 CEU]

Harmonic Theory and Applications (502)

David Rice, GE Engineering Services
Nov. 12/13, 2002 6:00-8:50PM
Introduces basic harmonic concepts and typical industrial applications. [0.5 CEU]

Spring of 2003 IEEE Seminar Schedule

Harmonic Filters (503)

David Rice, GE Engineering Services, and Richard Harlow, Phaseco, Inc.

Jan. 28/29, 2003 6:00-8:50PM
Discusses filter design, implementation, and typical application example concerns. [0.5 CEU]

CT / PT Application Seminar (308)

Tony Zhao, Powell Electrical Mfg. Co.
Feb. 11/12, 2003 6:00-8:50PM
Discusses CT and PT ratings, selection criteria, ANSI Std. Ref. and typ. appl. considerations. [0.5 CEU]

Directional Power/Current Relaying & Meters (307)

William Nichols, Siemens Westinghouse Technical Services
Feb. 25/26, 2003 6:00-8:50PM
Reviews typical industrial directional power and directional current relaying applications. Directional metering topics are also included. [0.5 CEU]

Solid-State Starters (504)

Harold Haggarty, Benshaw Inc.
Mar. 11/12, 2003 6:00-8:50PM
Discusses traditional mtr. starting appl. and modern "soft-start" theory, appl. and selection. [0.5 CEU]

Relays and Meters

Communication Systems Integration (112)
Martin Hildreth / Roy Cossé, Powell Elect. Mfg. Co.
Mar. 25/26, 2003 6:00-8:50PM
Reviews modern concepts and reasons for integrating diff. mfg. meters and relays into one communicating system. [0.5 CEU]

Generator 51V Relaying, Standby Generator and UPS Selectivity (316)

Roy Cossé, Powell Electrical Mfg. Co.
Apr. 8/9, 2003 6:00-8:50PM
Reviews MV/LV gen.51V and stbby. gen. concerns. UPS dist. sys. selectivity is discussed. [0.5 CEU]

Substation Design and Application Fundamentals (312)

Donald Sevcik, Reliant Energy HL&P
April 22/23, 2003 6:00-8:50PM
Reviews theory and appl. design basics. [0.5 CEU]