

IEEE CONTINUING EDUCATION ON DEMAND

2005 - 2006 REGISTRATION FORM



**IEEE
Houston
Section

2005 - 2006

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
 PAT ROGERS
 SOUTHWEST POWER / HUGHES SUPPLY CO.
 425 BLUEBERRY STREET
 HOUSTON, TX 77018
patricia.rogers@hughessupply.com

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

For a cancellation refund, telephone Pat Rogers by the Friday before the seminar at:

Phone: 713.696.9922
 Fax: 713.696.9983
 Email: patricia.rogers@hughessupply.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

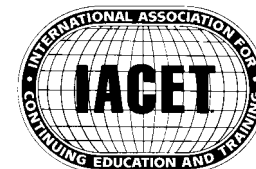
Please check the IEEE Houston Section website for the latest schedule and course information.

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

Seminar Title	Code	Date	Amount
Grounding Techniques, Industrial Power Sys	402	Oct. 4 / 5	\$
Electrical Safety in the Workplace	921	Oct. 18/19	\$
API Motor Standards Update	620	Nov. 1/ 2	\$
Protective Relay 5 ABB Relays	315	Nov 15/16	\$
HV Substations For Industrial Applications	125	Feb. 7/ 8	\$
MV Cable Considerations Thru 69kV	130	Feb. 21/22	\$
Protective Relaying for Large Generators	306	Mar. 7/ 8	\$
IEC Standards for Large Power Transformers	950	Mar. 21/22	\$
IEEE 1584 Arc Flash Calculations	340	Apr. 4 / 5	\$
Residual Bus Auto Transfer Schemes	140	Apr. 18/19	\$
Total Paid:			\$

Enter amount for each seminar:

IEEE member early signup: \$ 70.00
 Non-member registration: \$140.00



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.

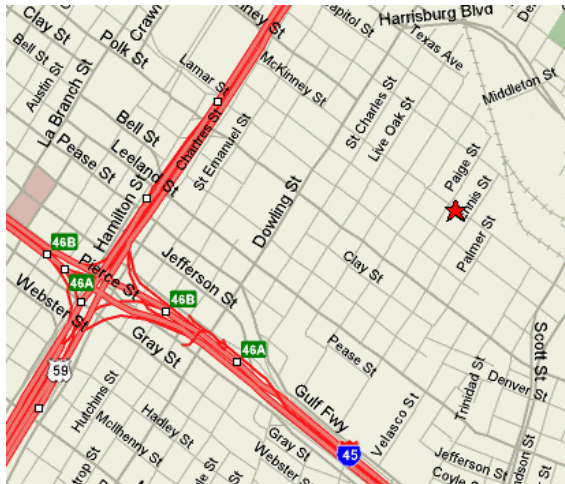
Instructors are application engineers, manufacturing specialists and expert consultants who provide a blend of diverse engineering perspectives.

The cost of each seminar is \$70.00 for IEEE members. Non-members \$140.00. The **check must be received the Friday before** the seminar start date. "Pay at the door" is discouraged due to many "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 2005-2006 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 2005 - 2006

Summit Electric
2929 McKinney
Houston, TX. 77003



Fall of 2005 IEEE Seminar Schedule

Grounding Techniques—Industrial Power Sys (402) **Jack Woodham, Jedson Engineering** **Tony Locker, Post Glover Resistors**

Oct. 4/5, 2005 6:00-8:50PM

Reviews and explores the four types of grounding for industrial power systems 480 – 4160 V. **[0.5 CEU]**

Electrical Safety in the Workplace (921)

Danny Ligget, E.I. DuPont Co.

Oct. 18/19, 2005 6:00-8:50PM

A detailed focus is on electrical workplace safety coupled with comprehensive safety training. **[0.5 CEU]**

API Motor Standards Update (620)

David Rains, WEG & Doug Gehring, Siemens

Nov. 1/2, 2005 6:00-8:50PM

An overview of large motor design considerations for compliance with latest API 541 and API 546. Review and comparison of IEEE 841 and API 541. **[0.5 CEU]**

Protective Relay 5 – ABB Relays (315)

Robert Wilson, ABB

Nov. 15/16, 2005 6:00-8:50PM

Review of ABB protective relay design fundamentals and special application considerations. **[0.5 CEU]**

Spring of 2006 IEEE Seminar Schedule

HV Substations for Industrial Applications (125) **Allen Xi & Charles Pulay, Burns & McDonnell Engrs**

Feb. 7/8, 2006 6:00-8:50PM

An overview of industrial substation design considerations, layout, protection, grounding and controls. Testing and commissioning considerations. **[0.5 CEU]**

MV Cable Considerations thru 69 KV (130)

H.R. Stewart HRS Consulting

Feb. 21/22, 2006 6:00-8:50PM

Review of design application considerations related to MV power cable projects. **[0.5 CEU]**

Protective Relaying for Large Generators (306)

Wayne Hartman, GE Multilin

March 7/8, 2006 6:00-8:50PM

Reviews large generator design characteristics, application problems and reliable protective schemes. **[0.5 CEU]**

IEC Standards for Large Power Transformers (950)

Tom Malone & Martyn Hildreth. Areva T&D

March 21/22, 2006 6:00-8:50PM

Detailed review of current IEC standards related to large power transformers. **[0.5 CEU]**

IEEE 1584 Arc Flash Calculations (340)

Jim Bowen, Powell Electrical Manufacturing Co. & Daleep Mohla, DCM Consulting

April. 4/5, 2005 6:00-8:50PM

A two part study focuses on NFPA 70E flash hazard analysis requirements and IEEE 1584 formulas to satisfy 70E requirements. **[0.5 CEU]**

Residual Bus Auto Transfer Schemes (140)

Roy Cosse, Powell Electrical Systems Inc. & Robert Spiewak, PolAmex Engineering

April 18/19, 2005 6:00-8:50PM

A focused review of the residual bus auto transfer schemes, examples, why they work and do not work. Traditional and modern applications. **[0.5 CEU]**