



Protective Relaying and Communications Seminars

January 30-February 1, 2007

GE Energy Building
2000 South Colorado Blvd # 2-1100
Colorado Center Tower 2
11th Floor Rio Grand East Rm
Denver, Colorado 80222

Front Desk phone #: 303 779 6980

8:00am- 5:00pm

(Lunch Provided)

Registration Required:

Space is limited to 20 students

- Yes, I plan to attend **Feeder Protection** the morning of Jan 30th (no charge)
- Yes, I plan to attend **Lunch** on Jan 30th (no charge)
- Yes, I plan to attend **Transformer Protection** the afternoon of Jan 30th (no charge)
- Yes, I plan to attend **Communications Basics** the morning of Jan 31st (no charge)
- Yes, I plan to attend **Lunch** on Jan 31st (no charge)
- Yes, I plan to attend **Comm Software & Systems** the afternoon of Jan 31st (no charge)
- Yes, I plan to attend **Motor Protection** the morning of Feb 1st (no charge)
- Yes, I plan to attend **Lunch** on Feb 1st (no charge)
- Yes, I plan to attend **Generator Protection** the morning of Feb 1st (no charge)
- Yes, I want a Professional Development Hours Certificate (no charge)

Name: _____ Title: _____

Phone: _____ Fax: _____ Company: _____

Address _____

Street

City

State

Zip Code

E-mail: _____

RETURN YOUR REGISTRATION VIA FAX: (303-922-7441) OR

E-MAIL: judy@rlpco.com

Tue Jan 30th- 8am-11:30am**DISTRIBUTION FEEDER PROTECTION SEMINAR**

The distribution feeder protection seminar will cover power distribution system fundamentals and characteristics, such as application of various interrupting devices, directional and nondirectional overcurrent protection, ground fault detection, and protective device coordination. Special topics include blocking schemes, breaker failure protection, sympathetic trip mitigation, transfer schemes, and various microprocessor based solutions available in the market from GE Multilin.

Tue Jan 30th- 12:30pm-4:00pm**TRANSFORMER PROTECTION SEMINAR**

In this seminar, power transformer physical and electromagnetic characteristics, energization inrush, various types of transformer faults and ways to protect them, including differential protection and harmonic restraint and inhibit, will be discussed. Various GE Multilin transformer protection solutions will also be presented.

Wed Jan 31st- 8am-11:30am**COMMUNICATIONS BASICS SEMINAR**

In this seminar we will cover; basic forms of communications, protocols, mediums, networking, IEDs, switches, protocol converters, peer to peer communications and the new IEC 61850 standard. We will cover the hardware as well such as; Multinet gateways, Multilink Ethernet switches, media converters and protocol converters. Time permitting a demonstration as to how to construct and communicate with a simple network will be shown.

Wed Jan 31st- 12:30pm-4:00pm**COMMUNICATIONS SOFTWARE AND SYSTEMS SEMINAR**

This session will begin with a Multilin communications software product overview and demonstration of Enervista Viewpoint Monitoring software. Larger system requirements will be explained and a Multilin Power Management and Control Systems product will be reviewed. A demonstration of a PMCS system will be included.

Feb 1st - 8am-11:30am**MOTOR PROTECTION SEMINAR**

The motor protection seminar will explore industrial motor failure modes and causes, standard motor protection functions, thermal protection and thermal modeling, and will review GE Multilin protection solutions currently available in the market that can be used in a variety of motor applications.

Feb 1st - 12:30pm-4:00pm**GENERATOR PROTECTION SEMINAR**

The generator protection seminar will review generator construction, operation, grounding methods and their impact on protective relaying applications, and generator protection standards. The seminar will also discuss the impact of various types of system events, such as faults and abnormal operating conditions, on generator performance, and how to protect and mitigate for these undesired system conditions. Examples of various generator protection solutions will also be shown.

Park in Colorado Ctr Visitor Parking

(see parking inset below)

1. From S Colorado Blvd and Buchtel (traveling east), take 2nd entrance (East side) of parking area (blue line on inset)
2. On east side of parking garage, take the first (south) entrance (blue line on inset); (2nd entrance north is gated and for monthly parking only)
3. At front desk of GE Energy office (reception), request a pink parking tag and place tag on rearview mirror (without tag, visitor parking is for 2 hours only)

