

Your invitation to attend the 44th annual

Power Control and Protection Conference

Presented by  Basler Electric

Featuring classroom training and product demonstrations
on Electrical Generating Power Systems

Topics include:

- ⇒ Voltage regulation
- ⇒ Excitation systems
- ⇒ Protective relaying
- ⇒ Automatic synchronization
- ⇒ Generator/Genset controls
- ⇒ Power System stabilization

Featured products:

- ⇒ Large Excitation Control Systems (DECS-400 and ECS2100)
- ⇒ DGC-2020 Digital Genset Controller with Load Share and I/O Expansion Modules
- ⇒ BE1-11 Family of Numeric Relay Systems, including Generator, Intertie & Feeder Models



- ⇒ Curriculum revised and updated annually
- ⇒ Early bird tuition discount deadline is August 24, 2009
- ⇒ Visit www.basler.com/pcpc to register on-line

October 5-8,
2009



Fairview Heights,
Illinois
(near St. Louis MO)

Abbreviated Agenda

Introduction to Electric Power Systems

- Generator basics
- Closed loop control systems

Generator Control

- Voltage Regulation
 - Selection and application
 - Generator stability
 - Voltage regulator / excitation system (prime and standby power) design
 - Voltage regulator & parallel operation
- Static Excitation
 - Large Excitation Systems and bridge paralleling with Basler Excitation Systems
 - Multiple bridge paralleling for higher excitation current capabilities
 - Negative forcing
 - Rotary exciter retrofits with digital excitation systems
 - Static excitation application and protection
 - NERC testing requirements
 - Synchronous motor control
 - PID Controller tuning
- Power system stability
- Introduction to synchronizing

Protective Relaying

- The basics
- Transformer protection
- Generator protection
- Intertie protection

Genset Engine Control and Protection

- SAE J1939 CANBUS for direct ECU communications
- Generator/Engine Metering
- Load Sharing
- Automatic Transfer Control
- Remote Communications
- NFPA requirements

Distributed Generation

- Introduction to distributed generation
- Paralleled operation with networks
- Protection of distributed generation
- Review of IEEE Std. 1547-2003 for Distributed Generation

Product Demonstrations and Tour

- Engine/generator control and protection
- Digital excitation for large machines
- Synchronizing and PID tuning
- Generator and intertie protection systems
- Power system stability/Negative forcing AVR
- Basler Electric factory tour

Ready to register?

Complete the form on the back of this invitation and fax to 618/654-2351 or register on-line at www.basler.com. Include your credit card information. Or mail with check (payable to Basler Electric) to Basler Electric Company, Accounting Department, Route 143, Box 269, Highland IL 62249. A confirmation will be sent to you via e-mail.

Questions about technical issues or seminar content?

Contact Terry Gaines, Training Manager, phone 618/654-2341, ext. 773, or fax 618/654-2351; e-mail: terrygaines@basler.com.

Conference Details

Why should I attend?

This conference is designed to increase your knowledge and understanding of power generation systems. It is unique because it provides both an excellent overview and an in-depth look at specific aspects of controlling and protecting electrical generating power systems. The topics are intended to address critical issues facing the electrical industry today. Applications range from a simple genset, to larger generators, to complex systems with multiple paralleled generators. Although this is Basler Electric's 44th Annual Power Control and Protection Conference, the presentations and demos are updated each year with the emergence of new product developments, such as BESTCOMSP^{Plus} high-speed, innovative and intuitive setup software.

Comments from 2008 attendees:

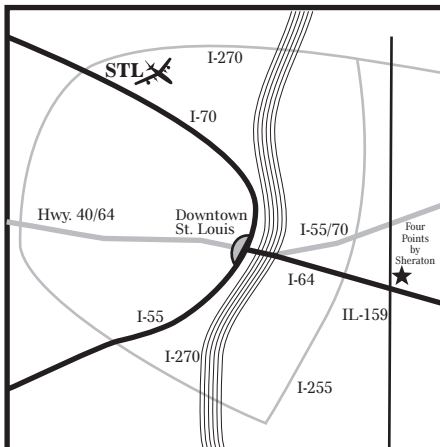
“Good material and excellent explanations...” “Valuable investment.”
“I really enjoyed the tour and demonstrations...helps to see what we had been learning.”
“Excellent facility...very informative and well managed.”

Lodging

**Four Points by Sheraton, 319 Fountains Parkway,
Fairview Heights, Illinois 62208**

Located 26 miles (approx. 35 minutes) from St. Louis' Lambert International Airport and 10 minutes from downtown St. Louis, the Four Points by Sheraton is just off Interstate 64 and IL Route 159, close to The Gateway Arch, shopping mall and restaurants. Guests can enjoy free parking, indoor pool, hot tub, exercise room, and free wireless high speed Internet access.

A special rate of \$88.00 plus tax, single or double, has been made available for our students. Basler will make your reservation for you; it is not necessary to contact the hotel. We suggest that you check in on Sunday, October 4, 2009.



Included

The tuition fee includes printed and electronic course reference material. Continental breakfast and lunch will be provided each day. Monday evening's icebreaker reception offers an opportunity to network with students and instructors.

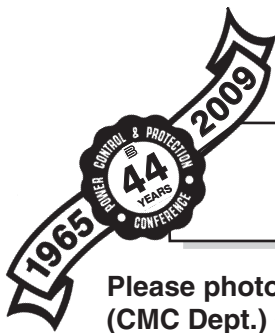
Travel, lodging, and evening meal expenses are not included.

Enrollment

Register on-line at www.basler.com or fax or mail your completed Registration Form(s) to Basler Electric. **Due to limited seating, enrollment is based on receipt of payment.** The tuition for the 4-day conference is \$1,500.00, payable by check, MasterCard, VISA, or American Express. Please make checks payable to Basler Electric. Upon receipt of payment, an acknowledgment will be sent to you via e-mail.

Take advantage of the \$1,350.00 Early Bird tuition rate if payment is received on or before August 24.

**Inquire about a tuition discount
for 3 or more students
registered from one company!**



Registration Form

Today's Date _____

Power Control and Protection Conference October 5-8, 2009 – \$1,500.00

Please photocopy completed form and fax to: Carol Ingram, Corporate Marketing Communications (CMC Dept.) 618 654-2351 (Phone: 618 654-2341 extension 122) e-mail: info@basler.com

From: _____ Phone: _____ FAX: _____

Registrant Information

Name and Title: _____

Name to appear on attendance badge: _____

Company: _____

Mailing Address: _____

City: _____ State: _____ Country: _____ Zip/Postal Code: _____

Daytime Phone: (____) _____ Fax: (____) _____

E-mail address: _____

Hotel Room Request

Basler Electric will make your reservation. You are responsible for payment.

Arrival Date: _____ Departure Date: _____

Single Double Non-smoking

If double, will you be sharing with another student? Yes No

If yes, name: _____

Payment Information

Conference tuition is \$1,500.00 per attendee. We can accept prepaid attendees only.

Cancellations received on or before September 21, 2009, will be subject to a \$100.00 processing fee.

Credit Card:

VISA MasterCard American Express

Card Number: _____

Name on Card: _____

Expiration Date: _____

Cardholder's billing address, if different from above:

Check:

Please make check for \$1,500.00 payable to Basler Electric Company.

**Sign up early and pay just \$1350!
Register and complete
payment to Basler Electric by
credit card or check on or before
Monday, August 24!**

Mail to: Basler Electric Company, Attn: Accounting Dept., Box 269, Highland, IL 62249



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