



On behalf of:

The **Delaware Valley Power Quality Group**, established in 1993, is a volunteer not-for-profit organization dedicated to providing a state of the art educational forum for the exchange of information pertaining to Power Quality issues and the most technically up to date products and practices.



Directions

The Shady Maple Smorgasbord, featured in the Philadelphia Inquirer, is located at 129 Toddy Lane, East Earl, PA. Take the PA Turnpike to Exit 298 (old Morgantown Exit 22). From the Turnpike, follow the Morgantown exit to 2nd traffic light then take Route 23 West (becomes Main St.) for approximately 10 miles to Route 897 to Toddy Lane.

You are cordially invited to the
Quarterly Meeting of the
Delaware Valley Power Quality Group

to be held from 10:00 AM to 3:00 PM on
Thursday, September 25th, 2008 at

Shady Maple Smorgasbord
129 Toddy Lane
East Earl, PA 17519

Meeting Agenda:

**Arc Flash: Standards Update,
Theory, and Case Studies**

Main Speakers:

Al Baum, P.E.
AB Engineering, LLC

Dr. Frank Mercede, P.E.
Villanova University

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MEMBERSHIP FOR 2009. 3 YEAR
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Arc Flash: Standards Update, Theory, and Case Studies

Program Summary:

This quarter's seminar will focus on the popular topic of Arc Flash. During this session, we will explore several areas of the subject to help answer lingering questions. After a review of the basic procedure to drive a facility to become "70E Compliant", we will discuss salient points of change in NFPA 70E-2009. The Arc Flash Study will be reviewed – its data requirements, results, and recommendations to reduce high energy points. A breakdown of different incident energy equations will help to understand the weighting factors of certain variables within the equation. Case studies will then be heard from industrial facility engineers/managers. Here, the 70E process, concerns, questions, hurdles, and resolutions will be discussed. And finally, we'll look at the latest technology of personal protective equipment (PPE). A PPE vendor will show the advancements in clothing and protective gear.

This seminar will feature speakers Dr. Frank Mercede and Mr. Alton Baum. Additional speakers will present case studies from their respective industries.

Speaker: Al Baum, P.E., AB Engineering, LLC

Mr. Alton Baum, PE carries over 20 years of industrial power systems and utility generation experience working for Westinghouse, Eaton Electrical, and Square D. Since the early 1990's, he has focused in the area of power systems analysis, power quality investigation/solution, and, most recently, arc flash analysis. In 2007, Mr. Baum started his own independent engineering consulting practice, AB Engineering, LLC, which provides power engineering services to the industrial/commercial markets. Mr. Baum holds the BS degree in Electrical Engineering from West Virginia Institute of Technology (1987), the Master of Business Administration from Widener University (1998), and the MSEE in Power Engineering from Drexel University (2003). He is a member of IEEE, a board member of the Delaware Valley Power Quality Group, and holds Professional Engineer licenses in multiple states.

Speaker: Dr. Frank Mercede, P.E., Villanova University

Dr. Frank Mercede, P.E. has been a full-time instructor in Electrical Engineering since 1988 and has served on the Electrical and Computer Engineering faculty at Villanova University since 1996. His areas of interest include power system protection and power quality.

Meeting Information:

Place: Shady Maple Smorgasbord
129 Toddy Lane
East Earl, PA 17519 (new facility
is just off Rt. 23 and Rt. 897)

Date: Thu., Sept. 25th, 2008
Time: 10:00 AM to 3:00 PM

Lunch Will Be Provided
Please RSVP by Mon., Sept. 22nd, 2008

REGISTRATION:

NAME: _____

COMPANY: _____

ADDRESS: _____

City: _____ State: _____ Zip: _____

PHONE: () _____

(include area code)

FAX: _____

E-Mail: _____

Category: Academic Contractor Utility
 Consultant Manufacturer (Rep) End User

Registration Fee:

To become a 2009 member of the DVPQG and receive notification of all future meetings, training, and events, please select the appropriate option. Yearly membership runs from January 1 to December 31 of each year.

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|-----------------------------|------------------------------|----------|
| 1. <input type="checkbox"/> | Meeting – DVPQG Member | \$ 35.00 |
| 2. <input type="checkbox"/> | Meeting – Non-Member | \$ 55.00 |
| 3. <input type="checkbox"/> | Mtg. & 2009 Membership | \$ 60.00 |
| 4. <input type="checkbox"/> | Meeting & (3) yr. Membership | \$105.00 |
| 5. <input type="checkbox"/> | 2009 Membership Only | \$ 30.00 |

SEATING IS LIMITED! Please pre-register...Registration at the door is **\$5.00** extra. (Cancellation and Refund: To cancel your registration and receive a full refund, you must contact DVPQG (i.e. email: treasurer@dvpqg.org or call 717.721.4903) at least 24 hours prior to the meeting. Otherwise, no refunds will be issued.)

Please mail this registration form and a check, made out to "Delaware Valley Power Quality Group, Inc.", for the appropriate registration to:

Delaware Valley Power Quality Group, Inc.
P.O. Box 511
East Petersburg, PA 17520-0511

Please respond by September 22nd, 2008
Please be complete in filling out registration.

You may also pre-register by E-mail to registrations@dvpqg.org and then mail your payment.