



The **Delaware Valley Power Quality Group** 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 and map

Villanova is northwest of Philadelphia on Route 30, near US Route 476 (Blue Route).

From Rt. 476, exit on Route 30 heading East. Villanova University is on the left side (north) immediately after crossing Rt. 320. Park on the south side (right) of Rt. 30 in "Main Parking Lot", walk across Route 30, past Main Chapel, and take a right across campus to the Connelly Center (Student Center). The Villanova Room is on the ground floor of the Connelly Center.

For questions, call Villanova University Main Operator at (610) 519-4500.

On behalf of:

You are cordially invited to the
Quarterly Meeting of the

**Delaware Valley Power Quality
Group**

to be held from 10:00 a.m. to 3:00 p.m. on
Wednesday, March 27th, 2002 at

**Villanova Room
Connelly Student Center
Villanova University
Villanova, PA**

Meeting Agenda:
**Power Quality SWAT Jobs
and Porto-Sags -
Peeling the Power Quality Onion**

Main Speaker:
**Brian Fortenberry
EPRI-PEAC, Inc.**

Power Quality SWAT Jobs and Porto-Sags - Peeling the Power Quality Onion

Speaker: Brian Fortenberry - Engineering Manager, EPRI-PEAC Corporation, Inc., Knoxville, TN. Brian manages EPRI-PEAC's power quality research and consulting activities including the System Compatibility Research Project areas of motor voltage controllers, revenue meters, power conditioning, new ride-through technologies, and advanced energy storage technologies such as flywheels and ultracapacitors. His experience includes years of performing on-site power quality investigations at industrial and commercial sites. Brian graduated from the University of Tennessee with both Bachelors and Masters degrees in Electrical Engineering. Prior to joining EPRI-PEAC, Brian gained extensive technical experience while working at the Watts Bar Nuclear Power Plant in Tennessee. He has also taught electrical engineering and technology courses at the Cleveland State Community College. Brian has also authored a number of IEEE published research papers.

Program Summary - *Power quality investigations can be very complex and challenging. Tackling even the simplest of investigations requires technical expertise, organizational skills, proper equipment and tools, and a well thought-out and logical approach. Armed with specialized tools of the trade, seasoned power quality engineers can confidently handle even the most complex of site investigations in a tactical SWAT like manner using some of the latest investigative, mitigation and protection methods.*

The program will not only highlight the industry's most menacing power quality problems but also detail the preparation and planning needed to conduct a successful power quality mission. A number of simple tools and instruments can be utilized to find most power quality problems however the use of sag generators as a diagnostic tool is gaining in popularity. The random nature of most power quality disturbances and complexity of industrial process equipment makes the use of porto-sag systems an extremely valuable tool in identifying the weakest component in an industrial process. The technique of sag testing will be explained and demonstrated. Case studies of real life, action adventure power quality investigations will also be presented. And finally, some simple mitigation and protection solutions will be explained and their effectiveness demonstrated.

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 2002 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.

1. Meeting – DVPQG Member \$ 35.00
2. Meeting - Non-Member \$ 55.00
3. Mtg. & 2002 Membership \$ 60.00
4. Meeting & (3) yr. Membership \$ 105.00
5. 2002 Membership Only \$ 30.00

(Please pre-register...Registration at the door is \$5.00 extra. Due to the logistics and costs of the meeting facilities and catering, registration cancellation policy applies - pre-registration obligates the attendee to pay for the meeting unless cancelled before the registration cut-off date.)

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 265
Wrightsville, PA 17368

Please respond by Friday, Mar. 22nd, 2002
Please be complete in filling out Registration

You may also pre-register by E-mail to registrations@dvpqg.org and then mail your payment or bring it to the meeting.

Meeting Information:

**Place: Villanova Room
Connelly Student Center
Villanova University
Villanova, PA**

Date: Wednesday, March 27th, 2002
Time: 10:00 a.m. to 3:00 p.m.

Lunch Will Be Provided
Please respond by Friday, Mar. 22nd, 2002