



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.

Video Teleconferencing  
Via WebEx  
Wednesday  
March 17<sup>th</sup>, 2021

1. Power Quality Considerations  
of Distributed Energy Resources  
(DER) and Micro Grid  
Interconnections including a Live  
Demonstration of a working  
Microgrid

2. Virtual Tour and Live  
Demonstrations of Eaton's Power  
Systems Experience Center  
(PSEC) including PQ  
Problems/Solutions, Energy  
Storage, and DER Solutions

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On behalf of:

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

to be held from 10:00 AM to 3:00 PM on  
**Wednesday, March 17<sup>th</sup>, 2021**

***Video Teleconferencing***

Meeting Agenda:

- 1. Power Quality Considerations of Distributed Energy Resources (DER) and Micro Grid Interconnections**
- 2. Virtual Tour and Demos of Eaton's Power Systems Experience Center (PSEC)**

Speaker:

**Dan Carnovale, P.E.**  
**Eaton Corporation**

**IT'S TIME TO RENEW YOUR DVPQG**  
**MEMBERSHIP FOR 2021. 3 YEAR**  
**RENEWAL IS THE BEST VALUE!**

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# 1. Power Quality Considerations of Distributed Energy Resources (DER) and Micro Grid Interconnections

## 2. Virtual Tour and Demos – Eaton’s Power Systems Experience Center (PSEC)

### ***Program Description:***

1. This presentation will cover some of the power quality considerations and issues related to the implementation of Distributed Energy Resources (DER) and Microgrids and will include live demonstrations of a working Microgrid.

- Microgrids
- Energy storage options (batteries, supercaps, etc.)
- Renewables (solar, wind, hydro)
- Distributed resources
- Generators and backup power solutions
- Power quality considerations for interconnections

2. A virtual tour and live demonstrations of Eaton’s Power Systems Experience Center (PSEC) including power quality problems/solutions, energy storage, and DER storage.

### **Speaker: Dan Carnovale, P.E., Eaton Corporation**

The presenter is Dan Carnovale, P.E. from Eaton Corporation who designed and manages a demonstration center in Pittsburgh called the Power Systems Experience Center (PSEC). ([www.eaton.com/experience](http://www.eaton.com/experience)). At the PSEC, visitors can see full scale demonstrations of Power Quality problems and solutions. With PQ instrumentation and visual learning, demonstrations come to life and very technical subjects become clear and understandable. Some of the information and training material used at the PSEC will supplement this training program.

### **Meeting Information:**

**Place: \*Your Office or Home  
\*Ask Questions and Network  
during Lunch**

**Date: Wednesday, March 17<sup>th</sup>, 2021**

**Time: 10:00 AM to 3:00 PM**

**WebEx Seating is Limited! Registration  
deadline is midnight Mon., Mar. 15<sup>th</sup>, 2021.  
No last minute registrations accepted.**

(Fillable PDF form can be saved and e-mailed back.)

Name: \_\_\_\_\_

Company: \_\_\_\_\_

Address: \_\_\_\_\_

City/State/Zip: \_\_\_\_\_

Phone: \_\_\_\_\_

E-Mail: \_\_\_\_\_

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

### **Registration Fee:**

To become a 2021 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"/> | <b>Meeting – DVPQG Member</b>           | <b>\$ 10.00</b> |
| 2. <input type="checkbox"/> | <b>Meeting – Non-Member</b>             | <b>\$ 30.00</b> |
| 3. <input type="checkbox"/> | <b>Mtg. &amp; 2021 Membership</b>       | <b>\$ 35.00</b> |
| 4. <input type="checkbox"/> | <b>Meeting &amp; (3) yr. Membership</b> | <b>\$ 70.00</b> |
| 5. <input type="checkbox"/> | <b>2021 Membership (1 yr.)</b>          | <b>\$ 30.00</b> |
| 6. <input type="checkbox"/> | <b>2021-2023 Membership (3 yr +.)</b>   | <b>\$ 75.00</b> |

WebEx SEATING IS LIMITED and PRE-REGISTRATION IS REQUIRED! (Cancellation Policy: To cancel your registration and receive a credit for a future meeting, you must contact DVPQG (i.e. email [registrations@dvpqg.org](mailto:registrations@dvpqg.org) or treasurer@dvpqg.org) at least 24 hours prior to the meeting.

Meeting login instructions will be sent to your email address day prior to the meeting.

**Please mail registration check payable to “Delaware Valley Power Quality Group, Inc.” to:**

DVPQG Registrations  
225 N. 3<sup>rd</sup>. Street  
Emmaus, PA 18049-2713

**Please respond by midnight Mon., Mar. 15<sup>th</sup>, 2021.**

Please complete this registration form, save with a new name, and return by E-mail to [registrations@dvpqg.org](mailto:registrations@dvpqg.org) and then mail your payment to the address above.

Attendees receive Certificate of Completion for  
4.0 Hours!

(Applicability and credit may vary between jurisdictions)