

IEEE LVS SECTION POWER & ENERGY SOCIETY MEETING INVITATION

TOPIC: "Surge Protection on T&D Systems"

DATE: Monday, May 13, 2019

LOCATION: PPL General Office, North Building Auditorium

TIME: Meeting starts with networking at 4:00 PM. The presentation will start at 4:30 PM and end at 7:00 PM

RESERVATIONS ARE REQUIRED BY MAY 10th USING THE FOLLOWING LINK:

<https://events.vtools.ieee.org/m/194437>

Two PDH's are available for IEEE members only. You must register in the "Special Requests" Field and sign in at the meeting to receive a PDH certificate.

This presentation will be about the fundamentals of Surge Protection on T&D Systems.

- Surge fundamentals: lightning, switching, faults, traveling waves, and how backflash occurs
- The difference between arrester types: station, transmission line, and distribution arresters
- What's new in IEEE Arrester Standard C62.11-2019
- Margin of protection fundamentals including lead length effect
- Separation Distance Fundamentals
- Why the 4/mile rule in line protection is nonsense
- How to Calculate the Value of an Arrester
- The Benefits of Transmission Line Arrester Applications

By the end of the presentation you will be an expert in surge protection.



[Jonathan Woodworth of ArresterWorks](#)

Biography:

Jonathan J. Woodworth (LM) received his EE in 1972 from The Ohio Inst. Tech and an MBA in 1995 from St. Bonaventure U. Mr. Woodworth co-founded ArresterWorks in 2007, an engineering consultancy focused on surge protection of power systems. Also, since 2007, he co-created and has maintained a technical resource website at ArresterWorks.com for professionals involved in surge protection of power systems. Previously, he served as Arrester Engineering Manager at Cooper Power Systems, Olean, NY. He has been involved in arrester design, production and marketing for over 40 years. He is Chair of SPD working group responsible for arrester testing WG 3.3.11. He is a past chair of the IEEE Surge Protective Devices Committee. Vice Chair of IEC TC37 Maintenance Group 4 responsible for Metal-oxide arresters for AC systems. Past chair of NEMA High Voltage Arrester Section of Power Equipment Division. Holder of numerous arrester patents worldwide.