



Maxivolt's on-site training is ideal for electrical engineers, electrical designers, and technical decision-makers looking to update their understanding of transient overvoltage with the latest industry guidance and data.

## TRANSIENT OVERVOLTAGE COURSE

In today's rapidly evolving industrial and commercial environments, the reliability of electrical systems is critical. Despite advancements in our understanding of transient overvoltage and its mitigation, outdated assumptions still influence many design decisions, potentially leading to system vulnerabilities and equipment failures. This engaging and informative training is designed to challenge misconceptions, provide clarity on transient overvoltage standards, and empower participants with actionable insights for designing resilient systems.

### RATED 9.3 OUT OF 10 BY PARTICIPATING ENGINEERS

**"It was very informative and eye-opening to some common failures we have." — Joe, PE**

#### KEY TOPICS

- **Standards and Practical Guidance:** Gain insights from IEEE standards, industry research, and real-world examples to support informed decision-making in transient overvoltage mitigation.
- **The Digital Shift and Modern Vulnerabilities:** Understand how the transition from electromechanical systems to digital technology increases susceptibility to transient overvoltage events.
- **Debunking Common Misconceptions:** Explore widely held beliefs about transient overvoltage, such as the idea that most transient overvoltage events come from the grid, and learn why they don't hold up under scrutiny.
- **Mitigation and Best Practices:** Discover why a single SPD at the service entrance is often insufficient and why IEEE considers implementing a robust, system-wide application a "conservative engineering approach."

#### TRAINING AGENDA

- 60-minute IEEE-approved Training
- 10-minute break
- 20-minute Interactive Q&A

**TIMES:** Breakfast, lunch, or afternoon options available\*

**CERTIFICATIONS:** Participants can receive IEEE CEU certificates worth one PDH.\*\*

**Contact training coordinator Karen Matheny to schedule your training at 806.705.8791.**



\*Food provided. Contact training coordinator for details.

\*\*Limitations apply. Ask training coordinator for details.

## MEET YOUR TRAINER



**Jack Klaus**  
*Vice President  
of Maxivolt*

Jack Klaus is the Vice President of Maxivolt, a 37-year-old manufacturer specializing in transient overvoltage technology and solutions. With over a decade of specialized experience, Jack has contributed extensively to the development of industry standards and educational initiatives through IEEE, UL, NEMA, and NFPA in the surge protection and transient overvoltage community.

Jack's professional journey began in Washington, D.C. on Capitol Hill, where he served in many roles, including as an advisor on science and technology legislation. This early career experience laid the foundation for his expertise in policy, technology, industry collaboration, and proficiency in teaching technical topics.

Jack holds leadership roles in multiple prestigious organizations, including serving as Vice Chair (and former Chair) of the NEMA ICS-Voltage Surge IDC and Chair of the UL 1449 Standards Technical Panel Task Group on Multi-Pulse Lightning. As Chair of the IDC, Jack was tasked with educating many organizations on the topic of transient overvoltage and surge protection devices, including the Independent Alliance of the Electrical Industry (IAEI), the National Electrical Contractors Association (NECA), and others. He is also an active member of the IEEE Surge Protection Device Committee, various IEEE working groups (3.6.15 and 3.6.4), and the NEMA Industrial Core Leadership Committee. His dedication to advancing the field extends to the NEMA Ad Hoc Steering Committee for Small Business, where he is a Charter Member.

In his current role at Maxivolt, Jack leverages his technical expertise, leadership, and proficiency in teaching technical topics to provide educational training sessions on surge protection technologies.