



# Louisville Section and PES Chapter Technical Meeting

Date: Thursday, March 2, 2023

Time: Arrive: 6:00 PM  
Presentation: 6:30 PM

Location: Eaton Corporation  
4620 Proximity Drive, Suite A  
Louisville, KY 40213

Price: Free

Menu: Food and soft drinks provided by Eaton.

RSVP: Eric Elwell  
Email: [EricSElwell@Eaton.com](mailto:EricSElwell@Eaton.com)

PDH: PDH certificates will be emailed to all attendees requesting one, and attending the meeting

**Topic: Overcurrent Protective Device (OCDP) Basics**

**Speaker: Eric Elwell, P.E.  
Eaton Corporation**

## **Abstract:**

Circuit breakers and fuses in our electrical power distribution systems are easily overlooked. However, these devices are critical for the safe and reliable operation of the equipment and systems in our world. These devices support and, in some cases, enable the energy transition with microgrid control and EV charging.

During this session, we will look at the characteristics of low voltage fuses and circuit breakers up to 6000 amps, their standards and construction, and the consequences of application outside of design characteristics. Code and standard requirements for ground fault protection will be examined, along with the basics of how these systems function.

## **Biography:**

Eric Elwell is a licensed Professional Engineer (PE) who graduated from the U of L Speed School of Engineering with a Master of Engineering in Electrical Engineering. From 1991 to 1995, Eric was a member of PepsiCo's KFC Research & Development group, working with process controller networking, commercial and industrial automation, energy efficiency studies, digital electronic design, and general R&D functions.

From 1995 to 1996, Eric was an automation engineer for Pfeiffer Engineering, whose specialization was chemical plant systems. Following Pfeiffer, Eric joined the Ford Motor Company (1996-2003), where he attained the position of Senior Electrical Design Engineer for the Louisville Assembly Plant. While at Ford, he was responsible for plant-wide SCADA systems, energy management, and MV and LV power distribution.

Eric joined Yum! Brands as Manager of Advanced Engineering from 2003 – 2008. While at Yum! Brands, Eric led the engineering development team that created the patented technologies which resulted in Kentucky Grilled Chicken.

Eric joined Eaton in March of 2008. Prior to the Applications Engineer role for Kentucky/West Tennessee, he was Team Leader for the Kentucky field service team.