

**Special Evening Presentations  
Washtenaw Community College  
Occupational Building (OE)**

**Tuesday, July 28th  
6:00 pm – 9:00 pm**

**Hart Calibration, Instrumentation Maintenance, and the Fluke-754 Calibrators**

*Fluke Corporation – Instructors: Curt Geeting and Frederic Baudart*

The Fluke-744 and 754 calibrators are utilized in the current Instrumentation Curriculum. These calibrators are used for hands on exercises teaching students the finer elements of calibration and maintenance of temperature and pressure of HART transmitters.

**Integrating Hands-On PLC and VFD Instruction Across the Curriculum**

*American Technical Publishers – Instructors: Glen Mazur and Julie Welch*

This hands-on seminar will show methods of teaching PLCs and VFDs (motor drives) while including AC/DC, motor, motor control, print reading, digital, and test instrument concepts. Practical hands-on exercises help build the foundation required to work on electrical systems that include PLCs, VFDs, sensors, motors, relays, timers, and other components.

**Programmable Logic Relays and Their Place in the Classroom**

*electrical training ALLIANCE/ETI, Indianapolis – Instructor: Paul Meyers*

This evening course will highlight cost-effective classroom activity labs to assist instructors in the Blended Learning approach for programmable controller training.

**The Solar Workflow and Electrical Safety**

*Fluke Corporation – Instructor: Will White*

The solar industry is one of the fastest-growing job markets in the U.S., and with new people joining the industry every day, it's essential to be familiar with the tasks that need to be completed and how to do them safely. In this course, we will review a typical solar maintenance and troubleshooting workflow along with the critical tests performed at each step. We'll discuss the standards for test and measurement equipment, relevant safety codes, and how to test electrical equipment safely.

**Practical Tips on How to Recruit and Retain Women in your Apprenticeship Programs**

*California Community College – Instructors: Dr. Lynn Shaw and DJ Siegman*

This fun, practical and interactive workshop, taught by two women with extensive experience as union electricians and instructors, will give you tips and tricks on how to recruit and retain women into your apprenticeship programs. Come prepared to ask your questions and share your experiences. This workshop will be interactive, so we can learn from each other.

**Revolutionizing Electrical Work: 3D Scanning for Planning and QA/QC**

*Trimble Inc. – Instructors: Ian Warner and Evan Pennington*

Join the Trimble experts in a mock renovation of a Washtenaw Community College electrical room. Learn how this game-changing technology boosts safety, saves time, and enables next-level prefabrication. We will walk through the entire process of reality capture, design, and layout using the latest Trimble technology. Perfect for electricians ready to embrace the future of their trade!

**Special Evening Presentations  
Washtenaw Community College  
Occupational Building (OE)**

**Tuesday, July 28th  
6:00 pm – 9:00 pm**

**Data Center Bootcamp**

*Legrand – Instructor: Cindy Montstream*

This presentation will provide a foundational knowledge of data centers and the infrastructure within. Beginning with understanding the basics including the types of data centers, we will explore the different spaces within data centers and the ANSI/TIA-942 data center standard. We will move to discuss the key challenges of data centers including deployment speed with the ever-increasing data rates (100G, 400G, 800G and beyond), network fabrics, latency, power consumption, and cooling. From there, we will dive deeper into architecture and its impact on cabling, along with looking at the unique challenges and cabling requirements that AI is impacting. This will include insights into the complex infrastructure needed to support AI clusters, including fiber optic connectivity and transceiver technologies.