

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

**Tuesday, July 29th  
6:00 pm – 9:00 pm**

**Class4, Fault Managed Power Systems - An Overview and Insights**

*VoltServer – Instructors: Bob Manifold, Ernie Stockton, Luke Getto*

The session will provide background on the evolution of FMPS, status of Class4 Systems specifications and approvals, overview of the component parts for a Class4 System, stand alone and integrated deployment models, along with insights to Best Practices for designs and deployments.

**Copper and Fiber Optic Cable Certification**

*Fluke Corporation – Instructor: David Ripple*

This session will introduce the role of cable certification. Copper twisted pair technology and standards review. Hands-on cable certification exercises using Fluke DSX cable certifiers. Fiber Optic cabling technology and standards review. Inspection and cleaning best practices. Hands-on length-loss certification exercises using Fluke CertiFiber Pro Optical Loss Test Sets.

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

*Fluke Corporation – Instructor: Jim Shields*

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*

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.

**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.

## **Optional Standby Generators: Safe, Compliant, and Reliable Installations**

*Generac Generators – Instructors: Brian King and Jeremy Barnett*

Looking to instruct on or install an Optional Standby Generator for home or commercial use? This is the course for you. This is an in-depth course that focuses on basic and advance concepts of OSB generator installation:

- Correct placement
- Sizing of generator (per article 220)
- NPFA codes (including 70, 58, etc.)

Generac Licensed Master Electricians teach this course to promote the safe and reliable installation of generators and as a public service. This course applies to all generator installations.