



# PRE-CONFERENCE WORKSHOPS

---

**OCT 6TH** SOUTHERN UNION COMMUNITY COLLEGE  
NEW CENTER FOR INTEGRATED MANUFACTURING  
301 LAKE CONDY RD, OPELIKA, ALABAMA 36801

---

## REGISTRATION: \$25

REDUCED PRICES OFFERED THANKS TO OUR SPONSORS, FIRIA LABS AND VEX ROBOTICS

---

## 1:00PM - 4:00PM CHOOSE ONE SESSION:

### **VEX IN THE ELEMENTARY CLASSROOM: EXPLORING VEX 123 AND VEX GO**

**Instructor:** Jason Mckenna - Director, Global Educational Strategy, VEX Robotics/Robomatter, Inc.

This hands-on session will explore the two newest VEX educational robotics products that focus on elementary classrooms.

VEX 123 is an interactive, programmable robot that takes Computer Science and Computational Thinking off the screen and brings them to life. For kids just entering school, teaching with VEX 123 is about providing students a new way to express ideas, communicate with their friends, and to learn math and literacy in new and exciting ways. Teaching CS is fun and easy with VEX 123. With this hands-on workshop, you see how Teaching CS with VEX 123 also provides students exposure to the thinking skills that will help them become creators— as opposed to just consumers — of technology in a world that's increasingly influenced by the manipulation of bits and bytes.

Young students are natural scientists and engineers. They love to tinker, explore, and play. With VEX GO, we are able to tap into student's natural curiosity and reach them before they begin to form negative stereotypes about their proficiency in math and science. And VEX GO makes this easier than ever before. This hands-on workshop with VEX GO will allow you to see how easy it is to build, code and teach STEM with VEX GO.

### **HANDS-ON PYTHON CODING WITH PHYSICAL & VIRTUAL ROBOTICS**

**Instructor:** David Ewing, CEO Firia Labs and Firia, Inc.

Join us for a fun, hands-on workshop featuring CodeBot! Bring your laptop (Windows, Mac, or Chromebook) and we'll provide robots for you to work with, as you learn to drive the motors and harness the sensors by writing Python code. No prior experience in robotics or Python programming language is required, and whether you're a beginner or an experienced pro you will learn a lot from this workshop!

### **FACILITATING ELEMENTARY STEAM LESSONS USING VEX VR**

**Instructor:** Jessica Williams Ward, University of Montevallo, Educational Technology Coordinator, TRIO Upward Bound Programs

Join this workshop to learn how to make your STEAM lessons more engaging using the VEX VR platform. Instead of having your students use paper and pencil to draw a triangle, why not use a virtual robot to draw it instead?! In this workshop you will engage as a learner to explore the VEX VR platform and use the robot to complete a STEAM task. You should leave the workshop with a better understanding of the VEX VR platform, and with a few lessons and resources to use in your own classroom.

---

# REGISTER NOW

# AUB.IE/SCORESTORE