

# Southern Educational Robotics Conference

**B** Breakout Sessions    **K** Keynote Sessions

## OCTOBER 7 • THURSDAY

7:45am – 8:30am	K	<b>Continental Breakfast</b>	SCA Lobby
<b>PINNED</b> 8:30am – 9:15am	K	<b>[Morning Keynote] Dennis Kambeitz: 20 Minutes that Change Everything!</b> <i>Speakers: Dennis Kambeitz</i>	SCA
9:30am – 10:30am	B	<b>I Got the Grant, Now What?</b> <i>Speakers: Mary Waterhouse, Heather Spradlin</i>	SCC 129
9:30am – 10:30am	B	<b>Industry Certifications</b> <i>Speakers: Leslie Cruse</i>	SCC 122
9:30am – 10:30am	B	<b>PD Ideas: Teaching DLCS through Robotics</b> <i>Speakers: Sharon Mumm</i>	SCC 115
9:30am – 10:30am	B	<b>STEM Starts Early with VEX GO</b> <i>Speakers: Olivia Kissel, Alaina Caulkett</i>	SCA
9:30am – 11:45am	B	<b>Hands-On Python Coding with Physical &amp; Virtual Robotics (2 hour workshop)</b> <i>Speakers: David Ewing</i>	SCC 118
10:45am – 11:45am	B	<b>Coding Starts Early with VEX 123</b> <i>Speakers: Aimee DeFoe, Audra Selkowitz</i>	SCA
10:45am – 11:45am	B	<b>Notebooks &amp; Interviews for Excellence</b> <i>Speakers: Amber Parsons, Abigail McLemore, Bryan Kennedy</i>	SCC 122
10:45am – 11:45am	B	<b>Preparing Your Students for a Robotic Future</b> <i>Speakers: Dennis Kambeitz</i>	SCC 115
10:45am – 11:45am	B	<b>Using VEX GO in the Classroom</b> <i>Speakers: Bruce Zutter</i>	SCC 129
11:45am – 12:15pm	K	<b>Lunch</b>	SCA Lobby
<b>PINNED</b> 12:15pm – 1:00pm	K	<b>[Lunch Keynote] Dr. Laura Boccanfuso</b> <i>Speakers: Laura Boccanfuso</i>	SCA
1:30pm – 2:30pm	B	<b>Introduction to the VEX V5 Workcell</b> <i>Speakers: Lauren Harter</i>	SCC 118
1:30pm – 2:30pm	B	<b>Maximizing Girl Engagement in Robotics &amp; Coding</b> <i>Speakers: Dennis Kambeitz</i>	SCC 115
1:30pm – 2:30pm	B	<b>Surviving and Thriving a VEX Program in the Elementary School</b> <i>Speakers: Sharon Mumm</i>	SCC 122
1:30pm – 2:30pm	B	<b>Understanding Servos and Sensors</b> <i>Speakers: David Ewing</i>	SCA
1:30pm – 2:30pm	B	<b>Underwater Robots</b> <i>Speakers: Tina Miller-Way</i>	SCC 129
3:00pm – 4:00pm	B	<b>4-H STEM Challenge kits (a free CS resource)</b> <i>Speakers: James Fountain</i>	SCC 118
3:00pm – 4:00pm	B	<b>Code Your Drone</b> <i>Speakers: Bobby Brian Lewis</i>	SCC 122
3:00pm – 4:00pm	B	<b>CodeBot: Level-up student engagement with Python coding and robotics fundamentals.</b> <i>Speakers: David Ewing</i>	SCA

3:00pm – 4:00pm

**B Facilitating Elementary STEAM Lessons Using VEX VR**

SCC 129

*Speakers: Jessica Williams Ward*

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3:00pm – 4:00pm

**B VEX Factory Automation Competition**

SCC 115

*Speakers: Rob Smith, Dylon Caudill*

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# Southern Educational Robotics Conference

**B** Breakout Sessions

**K** Keynote Sessions

## OCTOBER 8 • FRIDAY

8:00am – 8:30am	K <b>Breakfast sponsored by Chick Fil A Tigertown</b> <i>Sponsors: Chick-fil-A TigerTown</i>	SCA Lobby
<b>PINNED</b> 8:30am – 9:15am	K <b>[Morning Keynote] David Ewing: Putting the CS in Robotics - A Technologist's Journey into the world of STEAM Education</b> <i>Speakers: David Ewing</i>	SCA
9:30am – 10:30am	B <b>Best Practices for Teaching Robotics in Middle School &amp; High School</b> <i>Speakers: Dennis Kambeitz</i>	SCC 115
9:30am – 10:30am	B <b>FIRST Robotics Overview &amp; Team Case Study</b> <i>Speakers: Jamie McClung</i>	SCC 122
9:30am – 10:30am	B <b>Kit to Competition with the REC Foundation</b> <i>Speakers: Leslie Cruse</i>	SCC 118
9:30am – 10:30am	B <b>Learning with LEGOs: Beyond the Robots</b> <i>Speakers: Robert Mayben</i>	SCA
9:30am – 10:30am	B <b>STEM Starts Early with VEX GO</b> <i>Speakers: Olivia Kissel, Alaina Caulkett</i>	SCC 129
10:45am – 11:45am	B <b>Code with Colors and Ozoblocky: Introduction to Ozobots</b> <i>Speakers: James Fountain</i>	SCC 115
10:45am – 11:45am	B <b>Coding Starts Early with VEX 123</b> <i>Speakers: Aimee DeFoe, Audra Selkowitz</i>	SCC 129
10:45am – 11:45am	B <b>Fostering Supportive Environments for Women in STEM</b> <i>Speakers: Laurel Shugart</i>	SCC 122
10:45am – 11:45am	B <b>Python with Virtual Robotics: First-class robotics simulation and a CTE certification pathway!</b> <i>Speakers: David Ewing</i>	SCA
10:45am – 11:45am	B <b>Starting From SCRATCH</b> <i>Speakers: Catherine Kenny</i>	SCC 118
11:45am – 12:30pm	K <b>Lunch Sponsored by VEX Robotics</b> <i>Sponsors: VEX Robotics</i>	SCA Lobby
<b>PINNED</b> 12:30pm – 1:15pm	K <b>[Lunch Keynote] Jason Mckenna: STEM and Creativity</b> <i>Speakers: Jason Mckenna</i>	SCA
1:30pm – 2:30pm	B <b>Edison: Don't Doubt this Little Power House!</b> <i>Speakers: Robert Mayben</i>	SCA
1:30pm – 2:30pm	B <b>Hosting an Elementary Robotics Camp</b> <i>Speakers: Catherine Kenny, Candice Longnecker</i>	SCC 115
1:30pm – 2:30pm	B <b>Learn LEGO Ev3/Spike Sensors- Hands On</b> <i>Speakers: Jamie McClung, Laurel Shugart, Clark McClung</i>	SCC 122
1:30pm – 2:30pm	B <b>Tips for Coaching a World Championship VEX Team</b> <i>Speakers: Melvin Thompson, Rob Harlan</i>	SCC 118
1:30pm – 2:30pm	B <b>VEX Robotics Trailer Program</b> <i>Speakers: Jeremy Wilt, Terry Ayers</i>	SCC 129