



2019 Program Schedule

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| 8:00 - 9:00 | Conference Check-In | |
| 8:30 - 8:55 | Conference Welcome Welcome & Conference Overview Dr. Melissa Dagley Andy Cummings | Key West Ballroom, Student Union Room 218 Executive Director, iSTEM Chair, Florida Engineering Foundation Vice President, Connelly & Wicker Inc. |
| 9:00 - 10:10 | Session One: Industry Panel: Overview regarding the importance of STEM and preparation of the future workforce 9:00 Session Moderator: Jim Clamons 9:05 Mark Bonnin 9:15 Deb Drexler 9:25 Lindsay Liszewski 9:35 Beth Smith 9:45 Moderator to entertain questions from the audience and the panel | |
| 10:20 - 11:10 | Session Two: Concurrent Workshop Sessions | |
| Location | Track | |
| SU 220 | T, MH | Power UP your MakerSpace with Arduino Jeff Oswald and Samuel Reisner Media Specialist and Teacher, Cypress Creek High School |
| SU 221 | E, MH | Physical Science is LiT Katherine Grady Doctoral Student, University of Central Florida |
| SU 223 | S, H | Explore Before Explain: A Case Study on Zika Dr. Marjorie Miles Dozier High School District Science Coach, Polk County Public Schools |
| SU 224 | E, MH | Renewable Energy Research, Anyone? Robert Reedy Instructor, University of Central Florida |
| SU 316A | E, E | An Integrated Curriculum Approach to STEM Learning Jennifer MacDonald and Heather Vickers Magnet Coordinator and Mathematics Coach, Hamilton Elementary School of Engineering and Technology |
| SU 316B | S, EM | How Ecosystems and Humans Harness the Energy of Waves Nilsa Hernandez Maldonado and Humberto Rodriguez Regional Science Academic Coaches, Polk County Public Schools |
| SU 316CD | T, EMH | Plugging In to Computer Science Educator Professional Development Emily Beth Langley Education Specialist: Curriculum and Instruction, Orlando Science Center |
| 11:20 - 12:10 | Session Three: Concurrent Workshop Sessions | |
| SU 220 | E, MH | Engineering Design with Ohm's Law and Carbon Nanotubes Erika Trnka Teacher, St. Cloud High School |
| SU 221 | S, EMH | Connecting Classrooms to Subject Matter Experts Amanda Allen and Jennie Ablanedo Education Manager and Program Coordinator, stemCONNECT |
| SU 223 | M, H | What's the pH? Jared Herretes Teacher, Oak Ridge High School |
| SU 224 | S, M | STEM Projects of the American Association of University Women Dr. Leslie Sue Lieberman, Dr. Hanna Kruczek, and Dr. Anne Bubriski-McKenzie Professor Emerita, STEM Coordinator, and Lecturer, University of Central Florida and AAUWPr Orlando/Winter Park Branch |
| SU 316A | T, E | An Integrated Curriculum Approach to STEM Learning: With a Technology Focus Angela Tiffany Robotics Teacher, Hamilton Elementary School of Engineering and Technology |
| SU 316B | E, E | Incorporating STEM Into my Core Curriculum? Rachel Knight Teacher, Orlando Science Elementary |
| SU 316CD | E, EMH | Robot, Schmobot, Meet the Ozobot! Lara Sharp and Susan Garrett Program Directors, St. Petersburg College |
| 12:10 - 12:55 | Lunch Key West Ballroom, Student Union Room 218 | |

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| Track Key: STEM Discipline, Grade Level | STEM Disciplines: | S = Science | Grade Level: | E = Elementary (K-5) |
| | | T = Technology | | M = Middle (6-8) |
| | | E = Engineering | | H = High (9-12) |
| | | M = Mathematics | | |

| 1:05-1:55 | | Session Four: Concurrent Workshop Sessions | |
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| Location | Track | | |
| SU 221 | E, MH | Enduring Effect of Project Based Learning Abdul Siddiqui | Lead Systems Engineer & STEM Mentor, US Army |
| SU 224 | E, H | Carbon Fiber Materials in the Classroom Terry Barchfeld | Physics Teacher, Timber Creek High School |
| SU 316A | M, E | When the Wheels are Turning the Students are Learning: Elementary Beth Smith and Don Worcester | Educational Technology Consultant and Mathematics Department Chair, Texas Instruments and Trinity Preparatory School |
| SU 316B | STEM, E | STEM in the Elementary Realm Amy Monahan | STEM Specialist, Volusia County Schools |
| SU 316CD | S, EMH | Exploring the Spread of Invasive Plants: The Hydrilla Game Laura Schendel | Outdoor Educator, Ecological Classroom Outdoors |
| 2:05-2:55 | | Session Five: Concurrent Workshop Sessions | |
| SU 221 | S, E | STEM in Nature Mary Lynn Hess | K-5 STEM Resource Teacher, Goldsboro Elementary Magnet School |
| SU 224 | E, H | Fabrication of Micro-Sensors Ron Sandrin-Litt | Teacher, Spruce Creek High School |
| SU 316A | M, MH | When the Wheels are Turning the Students are Learning: Middle and High Beth Smith and Don Worcester | Educational Technology Consultant and Mathematics Department Chair, Texas Instruments and Trinity Preparatory School |
| SU 316B | E, EM | Keep Your Cool: Introducing the Engineering Design Process Through Heat Transfer Lauren Bracken | Science/Project Lead the Way Instructor, Orange County Public Schools |
| SU 316CD | T, EMH | Assessing with BrainPOP Creative Coding and Games Amy Trujillo | Instructional Coach, Orlando Science Schools |
| 3:00 - 3:15 | | Close of Conference | |
| | | Evaluation Form Thank You | Key West Ballroom, Student Union Room 218 |

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Student Union 2nd and 3rd Floor Maps

