

## SESSIONS TOPICS

- 21st Century Physics in the Classroom
- Apparatus @Home
- Astronomy Education Research
- Astronomy Paper
- Biophysics in the 21st Century Curriculum
- Chaotic Laboratories and Apparatus
- Creating Connections: Using Museums and Community Groups to Teach Physics and STEAM
- Diversity, Equity & Inclusion in Introductory Astronomy
- Engage Students, Meet Standards, and Contemporary Physics being Incorporated into Classical Physics Classes in MS and HS
- Get the Facts Out: Changing the Conversation Around Physics Teacher Recruitment
- High School
- Inclusive Science Communication
- Incorporating Apps & Open Source Materials for Laboratories and as part of Course Materials
- Integrating Climate, Energy, Sustainability in the Classroom and Beyond
- Introductory Courses
- Introductory Labs/Apparatus
- Lecture/Classroom
- Lobby Physics and the Art of Demonstrations
- PER: Assessment, Grading and Feedback
- PER: Curriculum and Instruction
- PER: Diverse Investigations
- PER: Diversity, Equity & Inclusion
- PER: Student and Instructor Support & Professional Development, Program and Institutional Change
- PER: Student Content Understanding, Problem-Solving and Reasoning
- Physics and the Arts
- Physics in Unexpected Places
- Physics of Resilience
- Physics of the Body and Sports
- Physics Teacher Associations around the World
- Physics Teaching Around the World
- Pre-High School
- Preparing Physics Students for 21st Century Careers
- Professional Skills for Students
- Short Course Experiences: The Good, the Bad, and the Ugly
- SPS Undergraduate Oral Talks
- Supporting Physics Teaching with a Planetarium
- Teacher Training/Enhancement
- Technologies
- Upper Division Undergraduate
- Assessing and Improving Equity in Physics Learning Environments
- History/Philosophy of Quantum Mechanics
- Innovative Learning in Quantum Mechanics
- Quantum Education at the K-12 level
- Astronomy Posters
- Labs/Apparatus
- Physics Education Research Posters
- Pre-college/Informal and Outreach Posters
- SPS Undergraduate Poster Session