

Session Tracks

Committee on Apparatus

Exciting Demos & Equip in E&M

PIRA Session - 3D Printing in Labs and Demonstrations

Committee on Diversity in Physics

Coping Mechanisms for Physics Students from Underrepresented Groups

Supporting Equity through Group Work and Collaboration

Committee on Educational Technologies

Best Practices in Educational Technology

Cultural Perspectives on Educational Technology

Developing and Using Next-Generation Simulations

Educational Applications of Drones, Augmented/Virtual Reality, and Other Emerging Technologies

Effective Practices for Integrating Computation in Undergraduate Physics

Effective Practices in Educational Technology

Use of Online Presence to Enhance Instruction

Committee on Graduate Education in Physics

Multiple Career Paths in PER

Committee on History and Philosophy in Physics

History and Philosophy in Physics Courses

Science and Religion

Committee on the Interests of Senior Physicists

conFUSION about Units: Mass/Weight, Weightlessness and Others

Defining Units: Old and New

Committee on International Physics Education

Citizen Science and International Collaboration

Creating Inclusive Diverse Classrooms

Committee on Laboratories

Designing Labs with Low-Cost Embedded Computers: Raspberry PI, BeagleBone, and Galileo

Lab Recommendations Focus Area 5: Technical and Practical Skills

Optics Labs at All Levels: Rainbows to Raman Spectroscopy

Committee on Modern Physics

Neutrino Physics Investigations for Students and Teachers

Committee on Physics in High Schools

Designing Curriculum for Social Justice in the HS Physics Classroom

K-12 PER

Modeling Instruction at All Levels

NGSS Evidence Statements

Teaching AP Physics with Big Ideas, Writing, & Calculations

Writing in HS Physics Classes

Committee on Physics in Pre-High School Education

Constructing Learning Cycles Using the Evidence Statements of the NGSS

Electricity, Energy, and Particles: Squishy Circuits, Scribble Bots, and the Particle Zoo

Make, Play, Learn

Opportunities for K-12 Teacher Leadership and Engagement

Committee on Physics in Two-Year Colleges

Adjunct Faculty

Current Space/Astronomy/Physics News Used in the Classroom

Going Public: How to Get Published

Highlights of TYC New Faculty Experience

Impact and Reflections on the 20+ years of TYC Physics Workshop Projects

Committee on Physics in Undergraduate Education

Jupyter: VPython/GlowScript

Learning Outcomes and Assessment in the IPLS Course

New Developments in Introductory Physics for Life Science Dissemination

PER Innovations for Reducing DFW Rates and Improving Retention in Introductory Physics Sequences

PER-Based Innovations in Upper Division Physics Classes

Phys21

Results of a Comprehensive National Survey of the Uses of Computation in Undergraduate Physics Programs

The Art and Science of Teaching

Committee on Professional Concerns

Panel on First Year Teacher Concerns

Panel on Public Affairs - Physics Teacher Recruitment

Physicists with Disabilities

Survival Skills for New High School Teachers

Committee on Research in Physics Education

Engineering Education

Graduate Student Topical Discussion

Interactive Lecture Demonstrations: What's New? ILDs Using Clickers and Video Analysis

Professional Skills for Graduate Students

Race and Gender Performance Gaps: Problems and Alternatives

Research on the Impacts of the Learning Assistant Model

Solo PER

The Physics of the NSF IUSE Program

The Use of IOLab for Introductory Laboratory Reform

Committee on Science Education for the Public

Climate Change

Committee on Space Science and Astronomy

Avenues for Publishing in Astronomy Education

Frontiers in Astronomy

Improving Student Learning With the Use of Popular Media

Multi-Messenger Astronomy in the Age of GR and Gravitational Waves

Preparing the Community for the August 21st Solar Eclipse

Committee on Teacher Preparation

30 Demos in 60 Minutes

Innovative Models of Physics Teacher Preparation

Research on Physics Teacher Preparation

Committee on Women in Physics

Developing Successful Mentoring Relationships

Making Change through Science Policy