

Dates and times are subject to change

Block A -- Sunday, Jan 4 from 10:00 a.m. - 12:00 p.m.

- AA SPS Research and Outreach
- AB PER: Evaluating Instructional Strategies
- AC Understanding the Redesigned AP Physics 1 and 2 Courses and Exams
- AD Best Practices in Educational Technology
- AE 30 Demos in 60 Minutes

Block B -- Sunday, January 4 from 2:00 - 3:30 p.m.

- BA The Higgs and My Classroom
- BB Recruitment and Retention
- BC How to Publish an Article
- BD Decreasing Stereotype Threat in Discourse and Assessment
- BE Powerful, Simple, Collaborative Graphing with Plot.ly
- BF Exemplary Ways to Prepare Elementary Teachers to Meet the NGSS Challenge
- BG Department Lab Assessment
- BH PER: Student Engagement and Megacognition

Block C -- Sunday, January 4 from 4:00 - 6:00 p.m.

- CA Challenges with Sea-Based Naval Operations and Unmanned Aerial System Integration
- CB Report from International Conference on Women in Physics
- CC Teaching Math Methods in the Upper Level UG Physics
- CD Technology-Enhanced Teaching Environments
- CE K-12 PER
- CF Development of Perception of Extraterrestrial Life
- CG Beyond the MOOCs: The Impact of Open Online Courses on Teaching and Education Research
- CH Improving Pedagogy in Pre High School Education

Block D -- Monday, January 5 from 11:00 a.m. - 12:30 p.m.

- DA Using Social Networking to Enhance Your Physics Class
- DB Physics Outreach at Science Festivals
- DC Historical Incidents Useful for Teaching Physics
- DD Single Photon Detectors
- DE Mentoring Newly Graduated Teachers to Improve Retention
- DF Interactive Lecture Demonstrations - What's New? ILDs Using Clickers and Video Analysis
- DG Writing in Physics
- DH Panel of Support and Information for Graduate Students
- DI Updates and Resources for Introductory Physics for Life Sciences
- DJ Recruiting and Retaining Underrepresented Physics Teachers

Block E -- Monday, January 5 from 3:30 - 5:30 p.m.

- EA Career Pathways - Mentoring Undergraduates
- EB Evaluation of Teachers and Professors
- EC International Networks for Action Research in Physics Education
- ED Project Learning Labs for Undergraduate Innovation and Entrepreneurship in Physics
- EE Teaching Sustainability in Non-major Courses
- EF Informal Science Education
- EG PER in the Professional Preparation of Teachers
- EH Research Experiences for Teachers (RET)
- EI Remote Labs
- EJ Upper Division Undergraduate

Block F -- Monday, January 5 from 7:00 - 8:30 p.m.

- FA Introductory Courses and Labs
- FB Biophysics Labs Beyond the First Year
- FC Video Update - Advanced Video Techniques
- FD Recruiting and Facilitating Alternative Certification of Teachers
- FE MOOCs as Outreach, Moving Toward MOOO

Block G -- Tuesday, January 6 from 8:30 - 10:30 a.m.

- GA Disentangling Student Reasoning from Conceptual Understanding
- GB Mentoring Graduate Students for Careers Outside of Academia
- GC Assessing Pedagogical Content Knowledge (PCK) for Teaching K-12 Physics
- GD Undergraduate Research
- GE Teaching Advanced and Honors Students
- GF Effective Practices in Educational Technology
- GG Development of Perception of Extraterrestrial Life II
- GH Updates and Resources for Introductory Physics for Life Sciences II

Block H -- Tuesday, January 6 from 12:30 - 2:00 p.m.

- HA TYC Partnerships
- HB Stories from the Leading Edge of Astronomy
- HC Science and Society
- HD PER: Examining Content Understanding, Reasoning, and Problem Solving
- HE Endangered Physics Teacher Preparation Programs
- HF Writing in Physics II
- HG High School

Block I -- Tuesday, January 6 from 3:00 - 4:00 p.m.

- IA Post Deadline Papers