

2019 AAPT Winter Meeting Workshops

(All workshops are subject to change)

- A Suite of Research-Based Labs for E&M
- Are You Testing What You Think You Are Testing? An Introduction to Factor Analysis
- Building the Living Physics Portal Community
- Computational Modeling Using Glowscript in Introductory Physics
- Deep Learning with Python
- Enhancing your Class Using Academic Social Media
- Fun and Engaging Labs
- Fun, Engaging, Effective, Research-Validated Lab Activities and Demos for Introductory University, College and High School Physics
- Improv for Physics
- Improving Pedagogical Content Knowledge of Teaching Assistants and Instructors
- Integrating NGSS Practices with the Physics Through Evidence—Empowerment Through Reasoning Suite
- Intro to Modeling Instruction, a Research-Based Curriculum
- Intro to Using Robotic Telescopes in Student Research
- Introduction to LaTeX for Teachers and Students
- Learn to Create Interactive Physics Simulations for Phones, Tablets, and Computers in Just 4 Hours
- LIGO & Interferometers
- Making Good Physics Videos
- NASA Materials Handling Certification
- Neutrino Masterclass
- PICUP: Integrating Computation into Introductory Physics
- PICUP: Integrating Computation into Upper-Level Physics
- Promoting STEM Engagement by Creating Pop-Culture Projects
- PTR: It's HOT in Here
- PTR: Quantum Cryptography: An Applied Way to Teach the Basics of Quantum Mechanics
- Space Center Field Trip
- STEP UP for Women

- Teaching Introductory Physics in an Earth & Space Science Context -- Resources for Hands-on & Minds-on Activities
- Teaching Systems and Energy in Algebra-Based Physics
- The Colliding Neutron Stars GW170817: A Nuclear Astrophysics Case study for the Classroom