

Diversity Committee & Women in Physics Committee

PAR-A.08 Sunday 11:30 Promoting and Supporting Equity and Inclusion in STE Introductory Courses

Diversity Committee

PAR-C.01 Monday 12:30 Doing Physics and Being_____

Diversity Committee & Undergraduate Education Committee

PAR-F.10 Tuesday 2:30 Teaching Equity in Physics

Professional Concerns Committee & Education Technologies Committee

PAR-D.04B Monday 2:30 General Relativity in the High School Classroom

Professional Concerns Committee & High School Physics Committee

PAR-D.04C Monday 2:30 Neutrino Physics in the Classroom

Professional Concerns Committee & Space Science and Astronomy

PAR-A.10 Sunday 11:30 What to Say When Students Ask you about Astrophysics

Education Technologies Committee

PAR-A.02 Sunday 11:30 Best Practices in Educational Technology

PAR-B.02 Sunday 1:30 Computational Thinking in Physics I

PAR-D.02 Monday 2:30 Effective Practices in Educational Technology I

PAR-D.10 Monday 2:30 Tools for Teaching Computation in Physics

PAR-E.01 Tuesday 10:00 Computational Thinking In Physics II

PAR-E.02 Tuesday 10:00 Effective Practices in Educational Technology II

Education Technologies Committee & High School Physics Committee

PAR-C.04 Monday 12:30 Integrating Computation into High School Physics

Education Technologies Committee & Laboratory Committee

PAR-G.01 Wednesday 10:00 Computer Modeling and Computation in Labs

Education Technologies Committee & Undergraduate Education Committee

PAR-G.02 Wednesday 10:00 Exploring Virtual and Augmented Reality in Physics Education

Graduate Education Committee

PAR-A.09 Sunday 11:30 TA Training and Innovations to Make Introductory Labs Work

PAR-E.09 Tuesday 10:00 Graduate Education in US – Thinking about Admissions, Diversity, Content Knowledge, and Institutions

History and Philosophy in Physics

PAR-C.07 Monday 12:30 Science, Society and Religion

Interests of Senior Physicists

PAR-A.01 Sunday 11:30 AAPT Speakers Bureau

Laboratory Committee & Two Year Colleges

PAR-A.03 Sunday 11:30 Best Practices for Developing Scientific Thinking, Reasoning, and Decision-Making Abilities I

PAR-B.01 Sunday 1:30 Best Practices for Developing Scientific Reasoning & Decision Making Abilities II

Laboratory Committee & Undergraduate Education Committee

PAR-G.09 Wednesday 10:00 Rethinking the Boundaries of the Laboratory Classroom

High School Physics Committee

PAR-E.09 Tuesday 10:00 Recruiting, Retaining and Empowering Underrepresented Teachers in Physics

Physics in Pre-H.S. Education & Professional Concerns Committee

PAR-B.03 Sunday 1:30 New Curriculum by K-12 Outreach Programs

Research in Physics Education & Graduate Education Committee

PAR-A.07 Sunday 11:30 Professional Skills for Students

Research in Physics Education & High School Physics Committee

PAR-C.05 Monday 12:30 K-12 PER

Research in Physics Education & Laboratory Committee

PAR-C.09 Monday 12:30 Physics Education Research in Labs

PAR-E.06 Tuesday 10:00 Physics Education Research in Labs II

Research in Physics Education

PAR-D.03 Monday 2:30 Exploring the Implementation of the NGSS Framework in Undergraduate Science Disciplines

Research in Physics Education & Undergraduate Education Committee

PAR-G.07 Wednesday 10:00 PER Using Institutional Data Sources and Big Data Research Methods

Research in Physics Education & Professional Concerns Committee

STPAR-1 Wednesday 1:30 Solo PER

STPAR-2 Wednesday 1:30 Early Career Topical Discussion

Research in Physics Education & Graduate Education Committee

STPAR-3 Wednesday 1:30 Student Topical Discussion and Social

Two Year Colleges & Women in Physics Committee

PAR-F.02 Tuesday 2:30 Communicating Sensitive Topics in the Classroom

Undergraduate Education Committee

PAR-B.09 Sunday 1:30 Using Effective Practice for Physics Programs (EP3) Guide and Online Communities

PAR-D.09 Monday 2:30 Finding and Adapting IPLS Materials from the Living Physics Portal

PAR-G.03 Wednesday 10:00 Introductory Physics For Life Sciences (IPLS)

Undergraduate Education Committee & Laboratory Committee

PAR-C.11 Monday 12:30 Tools for Data Analysis

Undergraduate Education Committee & Research in Physics Education

PAR-F.11 Tuesday 2:30 The Art and Science of Teaching

Undergraduate Education Committee & High School Physics Committee

PAR-G.03 Wednesday 10:00 Impact of Evidence-based Active Engagement Pedagogies on Student Learning

Science Education for the Public

PAR-F.01 Tuesday 2:30 Broadening Participation in STEM Through Science Cafes & Festivals

STPAR-4 Wednesday 1:30 Museum and Building Lobby Science

Space Science and Astronomy

PAR-F.03A Tuesday 2:30 Frontiers of Astronomy

PAR-F.03B Tuesday 2:30 Innovations in Teaching Space Science and Astronomy

Teacher Preparation Committee

PAR-B.10 Sunday 1:30 30 Demos in 60 Minutes

PAR-G.08 Wednesday 10:00 PhysTEC: Building Institutional Support & Leadership for Teacher Preparations

Teacher Preparation Committee & High School Physics Committee

PAR-C.03 Monday 12:30 Get The Facts Out: Changing the Conversation Around High School Physics Teaching

Women in Physics Committee

STPAR-7 Wednesday 1:30 Voices of Women