



2019 SUMMER MEETING
JULY 20-24 Provo, Utah

American Association of Physics Teachers

Registration Form for Part-Time Two-Year College Instructors and Adjunct Faculty – 1st Time Meeting Attendees

Full meeting registration (not including workshops)

Registration fees

Full Conference Registration: **\$85**

Member Member No.: _____ Non-member

First Name _____ Last Name _____

School Name _____

Address _____

City _____ State _____ Zip _____

Email _____

Phone: Home Work (____) _____

Fax Home Work (____) _____

Emergency Contact _____ Phone No: _____

Confirmation of part-time status

To qualify for this special rate your department chair or supervisor must confirm that you are teaching part time at your institution.
I confirm that the individual named on this application is teaching part time at our institution.

Supervisor Name: _____ Supervisor signature and date: _____
(Please print) (Signature) (Date)

Total Fees

Special Events

- Check made out to AAPT
- Money Order
- Credit Card
- Purchase Order No. _____

Please print clearly.

____ Visa ____ MasterCard ____ Discover ____ Am. Express

Account Number _____

Expiration Date _____

Security Code _____

Name on Card _____

Signature: _____

- 1. Spanish Fork Fiesta Days Rodeo event # Persons ____ @ \$30 \$ ____
Saturday, July 20, 7–10 p.m.
- 2. First Timers' Gathering # Persons ____ (free)
Monday, July 22, 7–8:30 a.m.
- 3. TYC Breakfast # Persons ____ @ \$30 \$ ____
Monday, July 22, 7–8:30 a.m.
- 4. Spouse/Guest Gathering # Persons ____ (free)
Monday, July 22, 9–10 a.m.
- 5. Early Career Professionals Speed Networking Event # Persons ____ (free)
Monday, July 22, 12–1:30 p.m.
- 6. Meet-up for LGBTQ Community # Persons ____ (free)
Monday, July 22, 12–1:30 p.m.
- 7. Retired Physicists Luncheon # Persons ____ @ \$26 \$ ____
Monday, July 22, 12–1:30 p.m.
- 8. K-12 Teachers Luncheon # Persons ____ @ \$30 \$ ____
Monday, July 22, 12–1:30 p.m.
- 9. Summer Picnic # Persons ____ @ \$25 \$ ____
Monday, July 22, 6–8 p.m. Child Picnic: \$15
- 10. Game Room Night # Persons ____ (free)
Monday, July 22, 9–12 p.m.
- 11. Einstein – Celebrating 100 Years show # Persons ____ @ \$24 \$ ____
Monday, July 22, 7–8:30 p.m.
- 12. AAPT Fun Run/Walk # Persons ____ @ \$35 \$ ____
Tuesday, July 23, 6–8 a.m.
- 13. Monday AM Raffle (Fire TV Stick 4K) #__ @ \$3 ea. \$ ____
- 14. Monday PM Raffle (Celestron telescope) #__ @ \$3 ea. \$ ____
- 15. Tuesday AM Raffle (Fire HD 8 Tablet) #__ @ \$3 ea. \$ ____
- 16. Tuesday PM Raffle (Celestron telescope) #__ @ \$3 ea. \$ ____
- 17. PER Conference & Reception # Persons ____ @ \$155 \$ ____
Wednesday, July 24
Students: \$100
- 18. PER Poster Session & Reception Only # Persons ____ @ \$30 \$ ____
Wednesday, July 24, 8–10 p.m.
- 19. Diversity T-shirt # ____ @ \$22 \$ ____
Registration Fee (\$85) \$ ____
Guest: \$40 \$ ____
Workshop fees: \$ ____

TOTAL: \$ ____

Photo Release: AAPT and its legal representatives and assigns, retain the right and permission to publish, without charge, photographs taken during this event. These photographs may be used in publications, including electronic publications, or in audio-visual presentations, promotional literature, advertising, or in other similar ways.

Attendee emails will be shared with conference exhibitors.

There will be a \$30 processing fee for all canceled registrations.

By registering for the event, you agree to follow the AAPT Code of Conduct. Please visit https://aapt.org/aboutaapt/organization/code_of_conduct.cfm to read it.

Mail form to: AAPT Programs and Conferences, One Physics
Ellipse, College Park, MD 20740; **Fax:** 301-209-0845

This registration offer is only valid for 1st time attendees. If AAPT finds prior meeting registrations, your registration will be cancelled.

Two-Year College Part-time Adjunct – Workshop Registration Form

____ Member No. ____ Non-Member

Registration fees

How to Register: Mail form to AAPT Programs & Conferences, One Physics Ellipse, College Park, MD 20740
Fax form to 301-209-0845, or email to programs@aapt.org Questions: Call 301-209-3340

Name: (please print clearly): _____
 School Name: _____
 Address: _____
 City: _____ State _____ Zip _____
 Email: _____
 Phone: _____ Cell: _____ Fax: _____

Check made out to AAPT
 Money Order
 Credit Card
 Purchase Order No. _____

WORKSHOP # and Fee: _____ Visa _____ MasterCard _____ Discover _____ Am. Express _____

 Total Fee: \$ _____

Account Number: _____ Exp. Date: _____
 Name on Card: _____
 Signature: _____

Saturday workshops will be held at Brigham Young University.
 Sunday workshops will be at Utah Valley University.

Workshops, Saturday, July 20		Time	Fees	
			Mem.	Non-Mem.
W01	Learn Physics While Practicing Science: Introduction to ISLE.....	8:00 a.m.–5:00 p.m.	W01:	\$87 \$112
W02	Physics Activities for the Life Sciences (PALS)	8:00 a.m.–5:00 p.m.	W02:	\$85 \$110
W03	Developing and Implementing NGSS 3-D Physics Lessons.....	8:00 a.m.–5:00 p.m.	W03:	\$85 \$110
W04	High Altitude Ballooning.....	8:00 a.m.–5:00 p.m.	W04:	\$120 \$145
W05	Visualizing Contemporary Physics	8:00 a.m.–5:00 p.m.	W05:	\$105 \$130
W06	Quantum Mechanics with Mathematica	8:00 a.m.–12:00 p.m.	W06:	\$60 \$85
W07	Get the Facts Out: Changing the Conversation Around Teaching as a Profession	8:00 a.m.–12:00 p.m.	W07:	\$60 \$85
W08	Fun and Engaging Labs	8:00 a.m.–12:00 p.m.	W08:	\$60 \$85
W09	PIRA Lecture Demonstrations I & II Condensed: Selections from the PIRA 200.....	8:00 a.m.–12:00 p.m.	W09:	\$95 \$120
W10	Mobilizing the Forgotten Army: Equipping TAs with Inquiry-based Instruction Methods.....	8:00 a.m.–12:00 p.m.	W10:	\$80 \$105
W11	Introductory Labs for Optical and Wave Physics.....	8:00 a.m.–12:00 p.m.	W11:	\$72 \$97
W12	Understanding the Mathematical Constructs that Boggle New Physics Students	8:00 a.m.–12:00 p.m.	W12:	\$70 \$95
W13	Graph Out Loud.....	1:00 p.m.–5:00 p.m.	W13:	\$60 \$85
W14	Using Universal Design for Learning to Prepare for Variation in Physics Learners' Needs, Abilities and Interests	1:00 p.m.–5:00 p.m.	W14:	\$63 \$87
W15	PICUP: Integrating Computation into Introductory Physics.....	1:00 p.m.–5:00 p.m.	W15:	\$60 \$85
W16	LIGO & Interferometers.....	1:00 p.m.–5:00 p.m.	W16:	\$100 \$125
W17	Using Astronomy Demonstration Videos	1:00 p.m.–5:00 p.m.	W17:	\$30 \$43
W18	Getting Your Paper Published.....	1:00 p.m.–5:00 p.m.	W18:	\$60 \$85
W19	Breaking Glass with Sound Waves (Make & Take).....	1:00 p.m.–5:00 p.m.	W19:	\$80 \$105
W20	Machine Learning in PER	1:00 p.m.–5:00 p.m.	W20:	\$135 \$160
W21	Use of 3D Pens in HS Labs and Community.....	1:00 p.m.–5:00 p.m.	W21:	\$65 \$90
Workshops, Sunday, July 21		Time	Fees	
W22	Teaching Innovation and Entrepreneurship in Physics: Helping Physics Students Change the World.....	8:00 a.m.–5:00 p.m.	W22:	\$85 \$110
W23	An Introduction to Data Science for Emerging Quantitative Researchers with R-Studio.....	8:00 a.m.–12:00 p.m.	W23:	\$60 \$85
W24	Designing Economical Outreach Kits for Physics	8:00 a.m.–12:00 p.m.	W24:	\$80 \$105
W25	Creating Sustainable Change in University Departments: Theory and Practice.....	8:00 a.m.–12:00 p.m.	W25:	\$62 \$87
W26	Fun, Engaging, Effective, Research-Validated Lab Activities and Demos for Introductory University, College and High School Physics	8:00 a.m.–12:00 p.m.	W26:	\$75 \$100
W27	Just-in-time Teaching.....	8:00 a.m.–12:00 p.m.	W27:	\$30 \$43
W28	Demo Kit in a Box: Sound and Waves.....	8:00 a.m.–12:00 p.m.	W28:	\$95 \$120
W29	A Primer on Computing with Python.....	8:00 a.m.–12:00 p.m.	W29:	\$60 \$85
W30	Fostering Inclusivity in Physics: Resources, Strategies, and Interventions	8:00 a.m.–12:00 p.m.	W30:	\$60 \$85
W31	PTRA: Cartoon Physics.....	8:00 a.m.–12:00 p.m.	W31:	\$70 \$95
W32	Designing and Building Informal Programs.....	8:00 a.m.–12:00 p.m.	W32:	\$65 \$90
W33	PICUP: Integrating Computation into Upper-Level Physics.....	8:00 a.m.–12:00 p.m.	W33:	\$60 \$90
W34	Coding Integration in High School Physics and Physical Science	8:00 a.m.–12:00 p.m.	W34:	\$30 \$43
W35	Group-Worthy Tasks	8:00 a.m.–12:00 p.m.	W35:	\$60 \$85
W36	New Resources for AP Physics.....	8:00 a.m.–12:00 p.m.	W36:	\$60 \$85
W37	Improving the Pedagogical Content Knowledge of Teaching Assistants and Instructors.....	1:00 p.m.–5:00 p.m.	W37:	\$60 \$85
W38	Getting Students to Think Critically In Intro Labs	1:00 p.m.–5:00 p.m.	W38:	\$60 \$85
W39	Developing the Next Generation of Physics Assessments	1:00 p.m.–5:00 p.m.	W39:	\$60 \$85
W40	Adapting Research-based Materials for Teaching Quantum Mechanics at Your Institution	1:00 p.m.–5:00 p.m.	W40:	\$60 \$85
W41	Teaching Introductory Physics in an Earth & Space Science Context	1:00 p.m.–5:00 p.m.	W41:	\$60 \$85
W42	Activity-based Physics and NGSS.....	1:00 p.m.–5:00 p.m.	W42:	\$80 \$105
W43	Teaching Physics towards Social Justice.....	1:00 p.m.–5:00 p.m.	W43:	\$65 \$90
W44	Intermediate and Advanced Labs.....	1:00 p.m.–5:00 p.m.	W44:	\$85 \$110
W45	Modifying Introductory Labs to Target Scientific Reasoning, Decision-Making Abilities	1:00 p.m.–5:00 p.m.	W45:	\$60 \$85
W46	Astronomy Research Seminar Workshop	1:00 p.m.–5:00 p.m.	W46:	\$60 \$85
W47	Teaching About Work and Energy	1:00 p.m.–5:00 p.m.	W47:	\$60 \$85
W48	Curriculum Swap: Creating, Sharing, and Improving Student-centered Physics Activities for Life Science Students.....	1:00 p.m.–5:00 p.m.	W48:	\$60 \$85
W49	STEP UP 4 Women – Take Action to Engage Women in Physics.....	1:00 p.m.–5:00 p.m.	W49:	\$60 \$85
W50	Field Tested Systems; Intro to Spectroscopy.....	1:00 p.m.–5:00 p.m.	W50:	\$60 \$85