

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. Undergraduate Meet-up # Persons ____ (free)
Saturday, July 28, 5:30–7 p.m.
- 2. First Timers Gathering # Persons ____ (free)
Monday, July 30, 7–8:30 a.m.
- 3. Spouse/Guest Gathering # Persons ____ (free)
Monday, July 30, 9–10 a.m.
- 4. Early Career Professionals Speed Networking Event # Persons ____ (free)
Monday, July 30, 12–1:30 p.m.
- 5. K-12 Teachers Luncheon # Persons ____ @ \$55 \$ ____
Monday, July 30, 12–1:30 p.m.
- 6. Meet-up for Members and Supporters of LGBTQ Community # Persons ____ (free)
Monday, July 30, 12–1:30 p.m.
- 7. Game Room Night # Persons ____ (free)
Monday, July 30, 9–12 p.m.
- 8. AAPT Fun Run/Walk # Persons ____ @ \$30 \$ ____
Tuesday, July 31, 6–8 a.m.
- 9. Monday AM Raffles # ____ @ \$2 ea. \$ ____
- 10. Monday PM Raffles # ____ @ \$2 ea. \$ ____
- 11. Tuesday AM Raffle # ____ @ \$2 ea. \$ ____
- 12. Tuesday PM Raffle # ____ @ \$2 ea. \$ ____
- 13. PER Conference & Reception # Persons ____ @ \$155 \$ ____
Wednesday, Thursday, Aug. 1–2 Students: \$100
- 14. PER Poster Session & Reception Only # Persons ____ @ \$30 \$ ____
Wednesday, Aug. 1, 8–10 p.m.

Registration Fee (\$85) \$ ____
 Guest: \$40 \$ ____
 Children: \$30 ea. \$ ____
 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.

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): _____ Check made out to AAPT
 School Name: _____ Money Order
 Address: _____ Credit Card
 City: _____ State _____ Zip _____ Purchase Order No. _____
 Email: _____
 Phone: _____ Cell: _____ Fax: _____
 _____ Visa _____ MasterCard _____ Discover _____ Am. Express
 WORKSHOP # and Fee: _____

 Total Fee: \$ _____
 Account Number: _____ Exp. Date: _____
 Name on Card: _____
 Signature: _____

All workshops will be held at George Washington University.
Tutorials at Marriott Renaissance

| Workshops, Saturday, July 28 | | Time | Fees | |
|------------------------------|---|----------------------|------------|----------|
| | | | Mem. | Non-Mem. |
| W01 | Developing and Implementing NGSS Three-Dimensional High School Physics Lessons | 8:00 a.m.–12:00 p.m. | W01: \$60 | \$85 |
| W02 | Night Sky Network | 8:00 a.m.–12:00 p.m. | W02: \$110 | \$135 |
| W03 | Preparing for Policy and Advocacy | 8:00 a.m.–12:00 p.m. | W03: \$60 | \$85 |
| W04 | PIRA Lecture Demonstrations I & II Condensed: Selections from the PIRA 200..... | 8:00 a.m.–12:00 p.m. | W04: \$95 | \$120 |
| W05 | Research-based Approaches to Infusing Argumentation in Undergraduate Physics | 8:00 a.m.–12:00 p.m. | W05: \$65 | \$90 |
| W10 | “Can We Have a Group Test?” Designing Collaborative, Active, Alternative Assessments for Physics Classes..... | 8:00 a.m.–5:00 p.m. | W10: \$85 | \$110 |
| W11 | Using Arduino for High Altitude Ballooning | 8:00 a.m.–5:00 p.m. | W11: \$110 | \$135 |
| W12 | Physics Activities for the Life Sciences (PALS) | 8:00 a.m.–5:00 p.m. | W12: \$85 | \$110 |
| W13 | Learn Physics While Practicing Science: Introduction to ISLE..... | 8:00 a.m.–5:00 p.m. | W13: \$88 | \$113 |
| W14 | Creating Mobile Physics Apps with EJS..... | 8:00 a.m.–5:00 p.m. | W14: \$85 | \$110 |
| W17 | Integrated STEM Education: Infusing Engineering Design Practices in STEM Learning..... | 1:00 p.m.–5:00 p.m. | W17: \$80 | \$105 |
| W18 | Introductory Labs for Thermal Physics | 1:00 p.m.–5:00 p.m. | W18: \$72 | \$97 |
| W19 | Network Analysis in PER..... | 1:00 p.m.–5:00 p.m. | W19: \$60 | \$85 |
| W20 | Modern Physics Labs on a Budget Using LEDs and Mixed Signal Processors..... | 1:00 p.m.–5:00 p.m. | W20: \$80 | \$105 |
| W21 | LIGO and Interferometers | 1:00 p.m.–5:00 p.m. | W21: \$80 | \$105 |
| W22 | Arduinos and Underwater ROVs..... | 1:00 p.m.–5:00 p.m. | W22: \$180 | \$205 |

| Workshops, Sunday, July 29 | | Time | Fees | |
|----------------------------|---|----------------------|-----------|----------|
| | | | Mem. | Non-Mem. |
| T01 | PTRA: Cartoon Physics..... | 8:00 a.m.–10:00 a.m. | T01: \$60 | \$85 |
| T02 | Teaching a Blended Course with Existing Resources on edX.org..... | 8:00 a.m.–10:00 a.m. | T02: \$60 | \$85 |
| W24 | PTRA: Robotics | 8:00 a.m.–12:00 p.m. | W24: \$85 | \$110 |
| W25 | Coding Integration in High School STEM Courses..... | 8:00 a.m.–12:00 p.m. | W25: \$30 | \$55 |
| W26 | Designing and Assessing Informal Physics Programs..... | 8:00 a.m.–12:00 p.m. | W26: \$60 | \$85 |
| W27 | Integrating Modern Physics into the High School Physics Curriculum..... | 8:00 a.m.–12:00 p.m. | W27: \$60 | \$85 |
| W28 | PIRA: Procuring Apparatus for Outreach Shows | 8:00 a.m.–12:00 p.m. | W28: \$90 | \$115 |
| W29 | 3D Solid Modeling Workshop | 8:00 a.m.–12:00 p.m. | W29: \$61 | \$86 |
| W30 | Using Social Psychological Interventions to Improve Learning of all Students..... | 8:00 a.m.–12:00 p.m. | W30: \$60 | \$85 |
| W31 | Physics Resources for K-8 from NASA | 8:00 a.m.–12:00 p.m. | W31: \$65 | \$90 |
| W32 | Fun and Engaging Labs | 8:00 a.m.–12:00 p.m. | W32: \$60 | \$85 |
| W33 | PICUP: Integrating Computation into Undergraduate Physics | 8:00 a.m.–12:00 p.m. | W33: \$80 | \$105 |
| W34 | Fun, Engaging, and Effective Labs and Demos in Electricity, Magnetism and Optics with Clickers, Video Analysis, and Computer-Based Tools..... | 8:00 a.m.–12:00 p.m. | W34: \$75 | \$100 |
| W35 | STEP UP for Women..... | 8:00 a.m.–12:00 p.m. | W35: \$60 | \$85 |
| W36 | Preparing Your Materials for Inclusion in the Living Physics Portal..... | 8:00 a.m.–12:00 p.m. | W36: \$60 | \$85 |
| W38 | Fostering Inclusivity in Physics: Resources, Strategies, and Interventions | 1:00 p.m.–5:00 p.m. | W38: \$60 | \$85 |
| W39 | Interdisciplinary Instruction in Biological Physics | 1:00 p.m.–5:00 p.m. | W39: \$60 | \$85 |
| W40 | Tying Activity Based Physics Bits & Pieces to NGSS..... | 1:00 p.m.–5:00 p.m. | W40: \$80 | \$105 |
| W41 | Intermediate and Advanced Labs..... | 1:00 p.m.–5:00 p.m. | W41: \$85 | \$110 |
| W42 | Getting Students to Think Critically in Intro Labs..... | 1:00 p.m.–5:00 p.m. | W42: \$62 | \$87 |
| W43 | Effective Practices for Final Projects in Undergraduate Physics Lab Courses..... | 1:00 p.m.–5:00 p.m. | W43: \$60 | \$85 |
| W44 | Examining the Relationships among Intuition, Reasoning, and Conceptual Understanding in Physics | 1:00 p.m.–5:00 p.m. | W44: \$60 | \$85 |
| W45 | An Introduction to Race, Ethnicity, and Equity in Physics Education | 1:00 p.m.–5:00 p.m. | W45: \$65 | \$90 |
| W46 | Ready to Go Public with Your Writing? Developing Writing Ideas for Publication | 1:00 p.m.–5:00 p.m. | W46: \$75 | \$100 |
| W47 | Physics and Toys II: Energy, Momentum, Electricity, and Magnetism | 1:00 p.m.–5:00 p.m. | W47: \$65 | \$90 |
| W48 | Improving the Pedagogical Content Knowledge of Teaching Assistants and Instructors..... | 1:00 p.m.–5:00 p.m. | W48: \$60 | \$85 |
| W49 | Demo Kit in a Box: Optics..... | 1:00 p.m.–5:00 p.m. | W49: \$85 | \$110 |
| W50 | Using CPEP Resources in the Classroom | 1:00 p.m.–5:00 p.m. | W50: \$60 | \$85 |
| W51 | Field Trip to the Air and Space Museum..... | 1:00 p.m.–5:00 p.m. | W51: FREE | |