

• Sunday, January 13, 2019

Registration fees

Attendee One-Day 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: _____

Check applicable boxes

- Attending for the first time
- Becoming an AAPT member
- Renewing my membership

Disabilities/ Special Needs _____

Total Fees

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

Registration Fee (\$85) \$ _____

Workshop Fees \$ _____

I will attend First Timers Gathering, Sun., 7 a.m. Yes ___ No ___

Sunday Raffles AM # ___ @ \$3 ea. \$ _____

PM # ___ @ \$3 ea. \$ _____

Please print clearly.

___ Visa ___ MasterCard ___ Discover ___ Am. Express

Account Number _____

Expiration Date _____

Sec. Code _____

Name on Card _____

Signature: _____

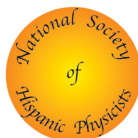
TOTAL: \$ _____

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.



Workshop Registration Form

Registration for workshops is first-come, first-served, so register early to secure a place in the workshop of your choice. Please use a checkmark for your initial choices, then indicate subsequent choices (in case first choice is unavailable) numerically. No form received after December 21 will be accepted in the Executive Office for processing. Workshop abstracts can be found online at www.aapt.org/Conferences/wm2019/workshops.cfm.

NAME _____

(Use checkmarks for 1st choices, then rank subsequent choices numerically . . . 1, 2, 3, etc.)

All workshops will be held at the University of Houston

| Workshops, Saturday, January 12 | | Time | Fees | | |
|---------------------------------|--|----------------------|------------|----------|-------|
| | | | Mem. | Non-Mem. | |
| W01 | Learn to Create Interactive Physics Simulations for Phones, Tablets, and Computers in Just 4 Hours | 8:00 a.m.–12:00 p.m. | W01: \$70 | \$95 | _____ |
| W02 | STEP UP for Women | 8:00 a.m.–12:00 p.m. | W02: \$60 | \$85 | _____ |
| W03 | Introduction to LaTeX for Teachers and Students | 8:00 a.m.–12:00 p.m. | W03: \$60 | \$85 | _____ |
| W04 | PTRA: Quantum Cryptography: An Applied Way to Teach the Basics of Quantum Mechanics..... | 8:00 a.m.–12:00 p.m. | W04: \$90 | \$115 | _____ |
| W05 | The Colliding Neutron Stars GW170817: A Nuclear Astrophysics Case study for the Classroom | 8:00 a.m.–12:00 p.m. | W05: \$60 | \$85 | _____ |
| W06 | Computational Modeling Using Glowscript in Introductory Physics | 8:00 a.m.–12:00 p.m. | W06: \$60 | \$85 | _____ |
| W07 | Intro to Modeling Instruction, a Research-Based Curriculum..... | 8:00 a.m.–12:00 p.m. | W07: \$72 | \$97 | _____ |
| W08 | Promoting STEM Engagement by Creating Pop-Culture Projects..... | 8:00 a.m.–12:00 p.m. | W08: \$85 | \$110 | _____ |
| W09 | Fun and Engaging Labs..... | 8:00 a.m.–12:00 p.m. | W09: \$60 | \$85 | _____ |
| W10 | LIGO & Interferometers..... | 8:00 a.m.–12:00 p.m. | W10: \$100 | \$125 | _____ |
| W14 | PICUP: Integrating Computation into Introductory Physics | 1:00 p.m.–5:00 pm. | W14: \$60 | \$85 | _____ |
| W15 | Building the Living Physics Portal Community | 1:00 p.m.–5:00 pm. | W15: \$60 | \$85 | _____ |
| W16 | NASA Materials Handling Certification..... | 1:00 p.m.–5:00 pm. | W16: \$60 | \$85 | _____ |
| W18 | Teaching Systems and Energy in Algebra-Based Physics | 1:00 p.m.–5:00 pm. | W18: \$60 | \$85 | _____ |
| W19 | Neutrino Masterclass..... | 1:00 p.m.–5:00 pm. | W19: \$62 | \$87 | _____ |
| W20 | Deep Learning with Python | 1:00 p.m.–5:00 pm. | W20: \$65 | \$90 | _____ |
| W21 | Teaching Introductory Physics in an Earth & Space Science Context — Resources for Hands-on & Minds-on Activities | 1:00 p.m.–5:00 pm. | W21: \$60 | \$85 | _____ |

| Workshops, Sunday, January 13 | | Time | Fees | | | |
|-------------------------------|---|----------------------|------|-------|-------|-------|
| W23 | PICUP: Integrating Computation into Upper-Level Physics | 8:00 a.m.–12:00 p.m. | W23 | \$60 | \$85 | _____ |
| W24 | PTRA: It's HOT in Here | 8:00 a.m.–12:00 p.m. | W24 | \$110 | \$135 | _____ |
| W25 | Enhancing your Class Using Academic Social Media..... | 8:00 a.m.–12:00 p.m. | W25 | \$60 | \$85 | _____ |
| W26 | Improving Pedagogical Content Knowledge of Teaching Assistants and Instructors..... | 8:00 a.m.–12:00 p.m. | W26 | \$60 | \$85 | _____ |
| W27 | Are You Testing What You Think You Are Testing? An Introduction to Factor Analysis .. | 8:00 a.m.–12:00 p.m. | W27 | \$60 | \$85 | _____ |
| W28 | Intro to Using Robotic Telescopes in Student Research..... | 8:00 a.m.–12:00 p.m. | W28 | \$60 | \$85 | _____ |
| W29 | A Suite of Research-Based Labs for E&M..... | 8:00 a.m.–12:00 p.m. | W29 | \$60 | \$85 | _____ |
| W30 | Making Good Physics Videos | 8:00 a.m.–12:00 p.m. | W30 | \$60 | \$85 | _____ |
| W31 | Space Center Field Trip..... | 8:00 a.m.–12:00 p.m. | W31 | \$95 | \$120 | _____ |
| W32 | Integrating NGSS Practices with the Physics Through Evidence— Empowerment Through Reasoning Suite | 8:00 a.m.–12:00 p.m. | W32 | \$75 | \$100 | _____ |
| W33 | 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. | W33 | \$75 | \$100 | _____ |

Mail completed form to: AAPT Programs and Conferences, One Physics Ellipse, College Park, MD 20740-3845

Or fax to: 301-209-0845