

American Association of Physics Teachers  
**Two-Year College Day Registration Form  
for First-Time AAPT Meeting Attendees**

• Tuesday, July 31, 2018

**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**

<input type="checkbox"/> Check made out to AAPT	Registration Fee (\$85)	\$ _____
<input type="checkbox"/> Money Order	Guest Fee \$82 (Includes registration & lunch)	\$ _____
<input type="checkbox"/> Credit Card	Children \$72 (Includes registration & lunch)	\$ _____
<input type="checkbox"/> Purchase Order No. _____	Workshop fees:	\$ _____
<b>Please print clearly.</b>	<b>Tuesday Raffles</b> AM	# _____ @ \$3 ea. \$ _____
	PM	# _____ @ \$2 ea. \$ _____

\_\_\_ 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.**

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 July 18, 2018 will be accepted in the Executive Office for processing. Workshop abstracts can be found online at [www.aapt.org/Conferences/sm2018/workshops.cfm](http://www.aapt.org/Conferences/sm2018/workshops.cfm).

**NAME** \_\_\_\_\_

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

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		___