## GIREP/National Society of Black Physicists/ National Society of Hispanic Physicists American Association of Chemistry Teachers (AACT)

## **Meeting Registration Form**

How to Register
Register online at www.aapt.org
• Fax form to 301-209-0845
<ul> <li>Mail form to: AAPT Programs &amp; Conferences</li> </ul>
One Physics Ellipse, College Park, MD 20740
Please indicate your member society:
GIREP NSHP
□ NSBP □ AACT
Please provide member number:
First Name
Last Name
Address
CityState/Province
CountryZip/Postal Code
Institution:
Email
Emergency Contact
Phone:
Fax
Check applicable boxes
<ul><li>Attending for the first time</li><li>Becoming an AAPT member</li><li>Renewing my membership</li></ul>
Type of school affiliation:  ☐ High School ☐ Two-Year College ☐ Four-Year College ☐ Other
Disabilities/ Special Needs
Visa MasterCard Discover Am. Express
Account Number
Expiration Date
Security Code
Name on Card
Signature:
If something comes up and you simply can't attend, all requests for
cancellation must be made in writing by the following dates and the <b>following fees will apply:</b>
Cancellations by Nov. 1, 2018 Midnight EST = \$75
Cancellations by Dec. 19, 2018 = \$100
Cancellations from Dec. 21– Jan. 4, 2019 = \$125
No Refunds after Jan. 4, 2019 <i>Photo Release:</i> 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.

Registration Fees	(check one)	Early Bird by 11/14/18	Advanced by 12/20/18	Onsite 12/21–1/15
AAPT Member – Full n	neeting	\$390	\$520	\$720
AAPT Member – Retire	_	\$290	\$455	\$635
Non-member – Full mee		\$615	\$745	\$950
Under. /Grad. student	0	\$45	\$55	\$75
AAPT Member – 1 Day		\$260	\$395	\$550
Non-member – 1 Day (c		\$485	\$625	\$775
High School Students		Complin		*****
Workshop Only		\$85		
Family/ Guest Registration: NAME(S):	: \$40 (Spou	se/guest)	FREE Child (	0–16 yr)
Members and Non-memb Sunday workshop without			f attending Sa	turday or
Workshop Only (not attendi	_	_	\$	
* * '	on next page; write	-	\$	
Commercial Workshop	s (free)			
Commoroidi Workonop	o (iioo)			
Special Events (o	ptional)			
opoolal Evolto (o	ριιοπαιγ			
<ul> <li>1. Undergraduate Meetu</li> </ul>	p	# Persons		(free)
_	n. 12, 5:30–7 p.m.			
2. First Timers Gathering	-	# Persons		(free)
3. Spouse/Guest Gatheri	. 13, 7–8:30 a.m.	# Persons		(free)
	. 13, 9–10 a.m.	" I CISONS		(Hee)
4. Early Career Profession	onals Speed Netwo	rking Event #	Persons	_ (free)
_	. 13, 12:30–2 p.m.			
5. K-12 Teachers Day Li		# Persons		(fee TBD)
☐ 6. Multi-Cultural Lunch	. 13, 12:30–2 p.m.	# Persons		(fee TBD)
	. 13, 12:30–2 p.m.			()
7. Meet-up for Members	and Supporters of	LGBTQ Com	munity	
	. 13, 12–1:30 p.m.	# Persons		(free)
8. Game Night	. 13, 9–12 p.m.	# Persons		(free)
9. Retired Physicist Lun	•	# Persons		(free)
,	. 13, 12-1:30 p.m.			()
10. AAPT Fun Run/Wall	k	# Persons	s@\$30	\$
	n. 14, 6–8 a.m.	U 0 #2		ф
<ul><li>□ 11. Monday AM Raffle</li><li>□ 12. Monday PM Raffle</li></ul>		# @ \$3 # @ \$3		\$ \$
☐ 13. Tuesday AM Raffle		#_ @ \$3		\$
☐ 14. Tuesday PM Raffle		#_ @ \$3		\$
Registration Fee Workshop Fee(s)				\$
Special Events Fee(s)				\$ \$
\$10 Administration Fee				\$_10
TOTAL:				\$
PO Number				
Check made out to	O AAPT			





## **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

النعيد	kshops, Saturday, January 12 Time	e		Fee
			Mem.	Non-Mem
V01	Learn to Create Interactive Physics Simulations for Phones, Tablets, and Computers			
	in Just 4 Hours		\$70	\$95
02	STEP UP for Women		\$60	\$85
03	Introduction to LaTeX for Teachers and Students	n. W03:	\$60	\$85 -
704	PTRA: Quantum Cryptography: An Applied Way to Teach the Basics of			
	Quantum Mechanics8:00 a.m12:00 p.n	n. W04:	\$90	\$115
05	The Colliding Neutron Stars GW170817: A Nuclear Astrophysics Case study			
	for the Classroom8:00 a.m12:00 p.n		\$60	\$85
06	Computational Modeling Using Glowscript in Introductory Physics8:00 a.m12:00 p.n		\$60	\$85
07	Intro to Modeling Instruction, a Research-Based Curriculum		\$72	\$97
08	Promoting STEM Engagement by Creating Pop-Culture Projects8:00 a.m12:00 p.n		\$85	\$110
709	Fun and Engaging Labs8:00 a.m12:00 p.n		\$60	\$85
10	LIGO & Interferometers	n. W10:	\$100	\$125
14	PICUP: Integrating Computation into Introductory Physics	W14:	\$60	\$85 _
15	Building the Living Physics Portal Community		\$60	\$85 _
16	NASA Materials Handling Certification	W16:	\$60	\$85 -
18	Teaching Systems and Energy in Algebra-Based Physics		\$60	\$85 _
19	Neutrino Masterclass	W19:	\$62	\$87 _
20	Deep Learning with Python	W20:	\$65	\$90 _
21	Teaching Introductory Physics in an Earth & Space Science Context — Resources for			_
	Hands-on & Minds-on Activities	W21:	\$60	\$85
Voi	kshops, Sunday, January 13 Time		Fee	S
23	PICUP: Integrating Computation into Upper-Level Physics	n. W23	\$60	\$85
24	PTRA: It's HOT in Here	n. W24	\$110	\$135
25	Enhancing your Class Using Academic Social Media	n. W25	\$60	\$85 _
26	Improving Pedagogical Content Knowledge of Teaching Assistants and Instructors8:00 a.m12:00 p.m	n. W26	\$60	\$85 _
		11127	\$60	\$85 _
27	Are You Testing What You Think You Are Testing? An Introduction to Factor Analysis8:00 a.m12:00 p.m	n. W27	\$00	Ψ05 =
	Are You Testing What You Think You Are Testing? An Introduction to Factor Analysis8:00 a.m.–12:00 p.n Intro to Using Robotic Telescopes in Student Research		\$60	\$85
28		n. W28		
28 29	Intro to Using Robotic Telescopes in Student Research	n. W28 n. W29	\$60	\$85 _
28 29 30	Intro to Using Robotic Telescopes in Student Research	n. W28 n. W29 n. W30	\$60 \$60	\$85 <b>-</b> \$85 <b>-</b>
28 29 30 31	Intro to Using Robotic Telescopes in Student Research	n. W28 n. W29 n. W30	\$60 \$60 \$60	\$85 - \$85 - \$85 -
727 728 729 730 731 732	Intro to Using Robotic Telescopes in Student Research 8:00 a.m12:00 p.n  A Suite of Research-Based Labs for E&M 8:00 a.m12:00 p.n  Making Good Physics Videos 8:00 a.m12:00 p.n  Space Center Field Trip 8:00 a.m12:00 p.n	n. W28 n. W29 n. W30 n. W31	\$60 \$60 \$60	\$85 - \$85 - \$85 -
728 729 730 731	Intro to Using Robotic Telescopes in Student Research	n. W28 n. W29 n. W30 n. W31	\$60 \$60 \$60 \$95	\$85 - \$85 - \$85 - \$120 -