

AAPT Workshop Registration Form

Vour Name Address Penal Phone	Member	Member No.:	Nonmember	City	State/Provi	nce	
Address Phone () The workshops scheduled for the 2021 AAPT Summer Meeting will be offered vinually during the month of July. Please see the list below. Cost: All workshops will calculous \$50 for member and \$100 for non-member EXCEPT WIGH is \$500 manufactor and WIJF is \$65 manufact and \$115 non member/ Some workshops will calculous participants for all of some of their workshops. For months and \$120 manufact and WIJF is \$65 manufact and \$115 non member/ Some workshops will calculous for attending one of the AAPT workshops. Earn 0.40 hours for a 12 day workshop or 0.80 for a full day workshop. (CHECK YOUR PREFERENCES) Workshops, Saturday, July 10 Time (EST) Organizer WIOA Learn Physics by Practicing Science: Introduction to ISLE (and July 11, 11 a.m.). 11:00 a.m.—3:00 p.m. David Brookes WIOB An Inside Look at the Smithsonian Air and Space Museum. 1:00 p.m.—5:00 p.m. WIOC Machine Learning in PER. 1:00 p.m.—5:00 p.m. WIOD NSF Grants for First-Time Applicants. 1:00 p.m.—5:00 p.m. WIOF Measuring and Improving Pedagogical Content Knowledge of Student Assistants in Introductory Physics Clauses. 1:00 p.m.—5:00 p.m. WIOF Measuring and Improving Pedagogical Content Knowledge of Student Assistants in Introductory Physics Clauses. 1:00 p.m.—5:00 p.m. WIOF Moving Towards Accessibility in Physics Education with Universal Design for Learning 12:00 p.m.—6:00 p.m. Workshops, Sunday, July 11 Time (EST) Organizer WIID Exploring Physics through the Lens of Systems 11:00 a.m.—4:00 p.m. Kelly O'Shea Mills Underrepresentation Curriculum: Social Justice in the Physics Classroom. 12:00 p.m.—5:00 p.m. WIID Departmental Action Team Model: Cultivating Sustainable Changes in University Departments. 1:00 p.m.—5:00 p.m. WIID Departmental Action Team Model: Cultivating Sustainable Changes in University Departments. 1:00 p.m.—5:00 p.m. WIID Departmental Action Team Model: Cultivating Sustainable Changes in University Departments. 1:00 p.m.—5:00 p.m. WIID Praching Quantum to HS Students Using Malus' Law. 1:00 p.m.—5:00 p	W. W.		Country	Zip/Postal Code			
The weckshops scheduled for the 2021 AAPT Summer Meeting will be officed virtually during the month of July. Please see the list below. Cost: All weckshops will cost \$50 for members and \$100 for non-member EXCEPT W10A is \$50 namebra and \$100 for members and \$100 for non-member and \$110 name and \$115 non members. W10A is \$50 namebra and \$110 non-member and \$110 name and \$115 non members. W10A is \$50 namebra and \$115 non members. W10A is \$50 namebra. W10A is \$50 nameb				- Email			
Cost: All workshops will cost \$50 for anembers and \$100 for non-member and \$110 non member, and \$117 non member and \$117 non m	Address			Phone (_)		
WIDA is \$00 neumber and \$100 neon-member, WILE is \$70 member and \$120 non member. Some workshops will reminuse principans for all owners of their workshops fees. CEU Hours: Earn CEU hours for attending one of the AAPT workshops. Earn 0.40 hours for a 12 day workshop or 0.80 for a full day workshop. (CHECK YOUR PREFERENCES) Workshops, Saturday, July 10 Time (EST) Organizer W10A Learn Physics by Practicing Science: Introduction to ISLE (and July 11, 11 a.m.). 11:00 a.m.—3:00 p.m. David Brookes W10B An Inside Look at the Smithsonian Air and Space Museum. 1:00 p.m.—5:00 p.m. Joanna Behrman W10C Machine Learning in PER. 1:00 p.m.—5:00 p.m. Steve Turley W10E Nypter Notebooks for Particle Physics Data Analysis. 1:00 p.m.—5:00 p.m. Steve Turley W10F Measuring and Improving Pedagogical Content Knowledge of Student Assistants in Introductory Physics Classes. 1:00 p.m.—5:00 p.m. W10G Moving Towards Accessibility in Physics Education with Universal Design for Learning 12:00 p.m.—4:00 p.m. W11A Exploring Physics through the Lens of Systems 11:00 a.m.—4:00 p.m. W11B Underrepresentation Curriculum: Social Justice in the Physics Classroom. 12:00 p.m.—5:00 p.m. W11D Departmental Action Team Model: Cultivating Sustainable Changes in University Departmental Action Team Model: Cultivating Sustainable Changes in University Departments. 1:00 p.m.—5:00 p.m. W11B Coding Integration in High School Physics and Physical Science. 2:00 p.m.—5:00 p.m. W11B Coding Integration in High School Physics and Physical Science. 2:00 p.m.—5:00 p.m. W11F Teaching Quantum to HS Students Using Malus' Law. 1:00 p.m.—5:00 p.m. W11G Departmental Action Team Model: Cultivating Sustainable Changes in University Departments. 1:00 p.m.—5:00 p.m. W11F Teaching Quantum to HS Students Using Malus' Law. 1:00 p.m.—5:00 p.m. W11G Departmental Action Team Model: Cultivating Sustainable Changes in University Departments. 1:00 p.m.—5:00 p.m. W11B Teaching Quantum to HS Students Using Malus' Law. 1:00 p.m.—5:00 p.m. W11C Pluids in the Physics f	The worksho	ps scheduled for the 2021 AAPT Summer M	Meeting will be offered virtually of	uring the month of Ju	lly. Please see the list below.		
Workshops, Saturday, July 10 Time (EST) Organizer	W10A is \$80 member and \$160 non-member, W11E is \$70 member and \$120 non member, and W11F is \$65 member and \$115 non member/ Some workshops will reimburse participants for all or some of their workshops fees.						
Workshops, Saturday, July 10 Time (EST) Organizer W10A Learn Physics by Practicing Science: Introduction to ISLE (and July 11, 11 a.m.)		_	AAP1 worksnops. Earn 0.40 ho	irs for a 1/2 day work	shop or 0.80 for a full day workshop.		
W10B An Inside Look at the Smithsonian Air and Space Museum					Time (EST) Organizer		
W10B An Inside Look at the Smithsonian Air and Space Museum			traduction to ISLE (and)	ulv 11 - 11 o m)			
W10C Machine Learning in PER		· · · · ·		-	-		
W10D NSF Grants for First-Time Applicants							
W10E Jupyter Notebooks for Particle Physics Data Analysis	-						
W10F Measuring and Improving Pedagogical Content Knowledge of Student Assistants in Introductory Physics Classes	**					•	
in Introductory Physics Classes							
W10G Moving Towards Accessibility in Physics Education with Universal Design for Learning 12:00 p.m.—4:00 p.m. Jacquelyn Chini Workshops, Sunday, July 11 Time (EST) Organizer W11A Exploring Physics through the Lens of Systems 11:00 a.m.—4:00 p.m. Kelly O'Shea W11B Underrepresentation Curriculum: Social Justice in the Physics Classroom 12:00 p.m.—2:00 p.m. Danny Doucette W11C Developing the Next Generation of Physics Assessments 1:00 p.m.—5:00 p.m. James Lafferty W11D Departmental Action Team Model: Cultivating Sustainable Changes in University Departments 1:00 p.m.—5:00 p.m. Gina Quan W11E Coding Integration in High School Physics and Physical Science 2:00 p.m.—6:00 p.m. Chris Orban W11F Teaching Quantum to HS Students Using Malus' Law 1:00 p.m.—5:00 p.m. Karen Matsler W11G PTRA workshop on Waves and Sound 6:00 p.m.—8:00 p.m. Nina Day Workshops, Saturday, July 17 Time (EST) Organizer W17A Muon Activities in the Classroom 11:00 a.m.—3:00 p.m. Shane Wood W17C Fluids in the Physics for Life Science Course 1:00 p.m.—5:00 p.m. Dawn Meredith Understanding in Physics 12:00 p.m.—4:00 p.m. Beth Lindsey W17E How Small is a Neutrino? — Scale, Proportion and Quantity 1:00 p.m.—5:00 p.m. Peggy Norris W17F Effectively Incorporating, Organizing, and Evaluating Open Education Resources in Online Learning Platforms 1:00 p.m.—5:00 p.m. Janelle Bailey Workshop, Saturday, August 7 Time (EST) Organizer W07A Teaching Physics in an Earth & Space Science Context 1:00 p.m.—5:00 p.m. Janelle Bailey						Iianlan Wana	
Workshops, Sunday, July 11 Time (EST) Organizer W11A Exploring Physics through the Lens of Systems W11B Underrepresentation Curriculum: Social Justice in the Physics Classroom 12:00 p.m.—2:00 p.m. Danny Doucette Danny Doucette W11C Developing the Next Generation of Physics Assessments. 1:00 p.m.—5:00 p.m. James Lafferty W11D Departmental Action Team Model: Cultivating Sustainable Changes in University Departments 1:00 p.m.—5:00 p.m. Gina Quan W11E Coding Integration in High School Physics and Physical Science 2:00 p.m.—6:00 p.m. W11F Teaching Quantum to HS Students Using Malus' Law 1:00 p.m.—5:00 p.m. Karen Matsler W11G PTRA workshop on Waves and Sound 6:00 p.m.—8:00 p.m. Nina Day Workshops, Saturday, July 17 Time (EST) Organizer W17A Muon Activities in the Classroom 11:00 a.m.—3:00 p.m. Shane Wood W17C Fluids in the Physics for Life Science Course. 11:00 p.m.—5:00 p.m. Dawn Meredith W17D Examining the Relationships Among Intuition, Reasoning, and Conceptual Understanding in Physics. 12:00 p.m.—5:00 p.m. Beth Lindsey W17E How Small is a Neutrino? — Scale, Proportion and Quantity W17E Effectively Incorporating, Organizing, and Evaluating Open Education Resources in Online Learning Platforms Time (EST) Organizer W07A Teaching Physics in an Earth & Space Science Context 1:00 p.m.—5:00 p.m. Janelle Bailey					• •	-	
W11A Exploring Physics through the Lens of Systems	W TOO MOVIII	g Towards Accessionity in Thysic	es Education with Oniver	sai Design for Li	Larming 12.00 p.m.—4.00 p.m	. Jacqueryn Chini	
W11B Underrepresentation Curriculum: Social Justice in the Physics Classroom	Workshops, Sunday, July 11				Time (EST) Organizer		
W11C Developing the Next Generation of Physics Assessments	W11A Explor	ring Physics through the Lens of S	Systems		11:00 a.m4:00 p.m.	Kelly O'Shea	
W11D Departmental Action Team Model: Cultivating Sustainable Changes in University Departments	W11B Under	representation Curriculum: Social	Justice in the Physics Cl	assroom	12:00 p.m.–2:00 p.m.	Danny Doucette	
in University Departments	W11C Develo	oping the Next Generation of Phy	sics Assessments		1:00 p.m.–5:00 p.m.	James Lafferty	
W11E Coding Integration in High School Physics and Physical Science 2:00 p.m.—6:00 p.m. Chris Orban W11F Teaching Quantum to HS Students Using Malus' Law. 1:00 p.m.—5:00 p.m. Karen Matsler W11G PTRA workshop on Waves and Sound 6:00 p.m.—8:00 p.m. Nina Day Workshops, Saturday, July 17 Time (EST) Organizer W17A Muon Activities in the Classroom. 11:00 a.m.—3:00 p.m. Shane Wood W17C Fluids in the Physics for Life Science Course. 1:00 p.m.—5:00 p.m. Dawn Meredith W17D Examining the Relationships Among Intuition, Reasoning, and Conceptual Understanding in Physics. 12:00 p.m.—4:00 p.m. Beth Lindsey W17E How Small is a Neutrino? — Scale, Proportion and Quantity. 1:00 p.m.—5:00 p.m. Peggy Norris W17F Effectively Incorporating, Organizing, and Evaluating Open Education Resources in Online Learning Platforms 1:00 p.m.—5:00 p.m. Zhongzhou Chen Workshop, Saturday, August 7 Time (EST) Organizer W07A Teaching Physics in an Earth & Space Science Context 1:00 p.m.—5:00 p.m. Janelle Bailey	W11D Depart	mental Action Team Model: Cult	ivating Sustainable Chan	ges			
W11F Teaching Quantum to HS Students Using Malus' Law					• •	Gina Quan	
Workshops, Saturday, July 17 Time (EST) W17A Muon Activities in the Classroom	W11E Codir	ng Integration in High School Phy	sics and Physical Science		2:00 p.m.–6:00 p.m.	Chris Orban	
Workshops, Saturday, July 17 Time (EST) Organizer W17A Muon Activities in the Classroom	W11F Teach	ng Quantum to HS Students Usin	ng Malus' Law		1:00 p.m.–5:00 p.m.	Karen Matsler	
W17A Muon Activities in the Classroom	W11G PTRA	workshop on Waves and Sound			6:00 p.m.–8:00 p.m.	Nina Day	
W17C Fluids in the Physics for Life Science Course	Workshop	s, Saturday, July 17			Time (EST)	Organizer	
W17C Fluids in the Physics for Life Science Course	W17A Muon	Activities in the Classroom			11:00 a.m.–3:00 p.m.	Shane Wood —	
W17D Examining the Relationships Among Intuition, Reasoning, and Conceptual Understanding in Physics					-		
Understanding in Physics		<u>.</u>					
W17E How Small is a Neutrino? – Scale, Proportion and Quantity					12:00 p.m.–4:00 p.m.	Beth Lindsey	
W17F Effectively Incorporating, Organizing, and Evaluating Open Education Resources in Online Learning Platforms							
Workshop, Saturday, August 7 Workshop, Saturday, August 7 Time (EST) Organizer W07A Teaching Physics in an Earth & Space Science Context 1:00 p.m5:00 p.m. Janelle Bailey		-	· · · · · · · · · · · · · · · · · · ·				
W07A Teaching Physics in an Earth & Space Science Context						Zhongzhou Chen	
W07A Teaching Physics in an Earth & Space Science Context	Workshop, Saturday, August 7				Time (EST) Organizer		
			Science Context				
Workshop, Saturday, August 14 Tillie (EST) Organizer						·	
W1/A PIRA Lecture Demonstrations L& II Condensed							