

2021 AAPT

# Virtual Summer Meeting

at a Glance



All times are EDT

## Saturday, July 31, 2021

10–10:45	Gather and Mingle in Virtual Hall
10:45	Welcome, Land Acknowledgment (LIVE)
11–12	<b>AWARDS</b> Klopsteg Award Lecture, Helen Czerski (LIVE)
12–12:30	<b>Virtual Coffee Break (Drop in) Exhibitor Time</b>
12:30–1:45	<b>Parallel Sessions A (12:30–1:45)</b>
PS.A-SA-1:	Achievement Gaps During Online Instruction: Lessons Learned
PS.A-SA-2:	Back to the Moon, and off to Mars
PS.A-SA-3:	Best Practices for Developing Scientific Thinking, Reasoning, and Decision-Making Abilities
PS.A-SA-4:	Explaining Frontiers & Modern Technology
PS.A-SA-5:	Graduate Student Education in PER
PS.A-SA-6:	PER: Assessment, Grading and Feedback I
PS.A-SA-7:	PER: Diverse Investigations I
PS.A-SA-8:	PER: Diverse Investigations III
PS.A-SA-9:	PER: Student Content Understanding, Problem-Solving & Reasoning I
PS.A-SA-11:	Elements of an Integrated Curriculum
1:45–2	<b>Virtual Coffee Break (Drop in) Exhibitor Time</b>
2–3:15	<b>Parallel Sessions B (2–3:15)</b>
PS.B-SA-1:	Best Practices for Developing Scientific Thinking, Reasoning, and Decision-Making Abilities II
PS.B-SA-2:	Doing Physics and Being _____
PS.B-SA-3:	Examining Student-side Interactions with Technology
PS.B-SA-4:	Get the Facts Out: Changing the VRConversation Around Physics Teacher Recruitment
PS.B-SA-5:	Integrating Computation During a Pandemic
PS.B-SA-6:	PER: Assessment, Grading and Feedback II
PS.B-SA-7:	PER: Diverse Investigations II
PS.B-SA-8:	PER: Diversity, Equity & Inclusion I
PS.B-SA-9:	PER: Student and Instructor Support & Professional Development, Program and Institutional Change I
PS.B-SA-10:	PER: Student Content Understanding, Problem-Solving and Reasoning II
PS.B-SA-11:	Spiral Physics and Parallel Pedagogy
PS.B-SA-12:	Using Educational Technology to Enhance Diversity, Equity, and Inclusion
2–3:15	VRLab Academy Commercial Workshop
3:15–3:30	<b>Virtual Coffee Break (Drop in) Exhibitor Time</b>
3:30–5	SPS: Randy Tagg invited talk, 3:30 (LIVE) Brad Conrad SPS Live Poster Session Demonstration Contest (video)
12–3:30	<b>K-12 Lounge staffed by volunteers in 1 hour shifts</b>
All Day	<b>Exhibitors Available</b>

## Sunday, August 1, 2021

10–11	<b>Special Topics meet ups</b>
10–11	Two Year College meet up
10–11	K-12 Lounge Session: The Role of Assessments Post-COVID
10–11	Life Outside of Physics meet up
10–11	PERTG Town Hall (LIVE)
11–12	<b>AWARDS</b> Paul W. Zitzewitz Teaching Award: Brad Talbert (LIVE) Halliday and Resnick Teaching Award: Anne Cox
12–12:30	DEI Resource Room: Beyond Land Acknowledgment
12–12:30	Meet Editors of AJP and TPT at AAPT Publications
12–12:30	<b>Virtual Coffee Break (Drop in) Exhibitor Time</b>
12:30–1:45	<b>Parallel Sessions C (12:30–1:45)</b>
PS.C-SU-1:	Computation in Quantum Mechanics
PS.C-SU-2:	Current Topics in Physics for All Ages
PS.C-SU-3:	“Ooh I want to try that!” Best New Labs We’ve Seen
PS.C-SU-4:	Emergent Technologies for Remote Instruction
PS.C-SU-5:	Ethics and Teaching in the Digital Age
PS.C-SU-6:	Introductory Labs/Apparatus I
PS.C-SU-7:	Introducing Remote Experiments to Students
PS.C-SU-8:	PER: Assessment, Grading and Feedback III

PS.C-SU-9:	PER: Student and Instructor Support & Professional Development, Program and Institutional Change II
PS.C-SU-10:	PER: Student Content Understanding, Problem-Solving and Reasoning III
PS.C-SU-11:	Physics Experiences of Students from Underrepresented Groups
PS.C-SU-12:	Teaching Online/Remote Physics Classes I
PS.C-SU-13:	Physics & Astronomy SEA Change Efforts
1–2	DEI Resource Room: Complexities of Bodies
1:45–2	<b>Virtual Coffee Break (Drop in) Exhibitor Time</b>
2–3:15	<b>Parallel Sessions D (2–3:15)</b>
PS.D-SU-1:	Effective Practices in Educational Technology I
PS.D-SU-2:	Introductory Courses I
PS.D-SU-3:	Introductory Labs/Apparatus II
PS.D-SU-4:	Learning from Other Disciplines Related to PER
PS.D-SU-5:	PER: Curriculum and Instruction I
PS.D-SU-6:	PER: Diversity, Equity & Inclusion II
PS.D-SU-7:	PER: Student and Instructor Support & Professional Development, Program and Institutional Change III
PS.D-SU-8:	Science Advocacy, Communicating with Elected Officials and Public Policy
PS.D-SU-9:	Teaching Online/Remote Physics Classes
PS.D-SU-10:	The Effective Practices for Physics Programs (EP3) Guide and Departmental Action Leadership Institutes (DALIs)
PS.D-SU-11:	Voices from the Field: COVID and Support for Transitions in Course Delivery Modes
PS.D-SU-12:	Sharing Best Ideas: Teacher Training, Enhancement + Learning Planetaria
2–3	DEI Resource Room: The Pandemic and Its Impact on Women
3:15–3:30	<b>Virtual Coffee Break (Drop in) Exhibitor Time</b>
3:30–4:30	President’s Town Hall (LIVE)
4:30	Game Night (Off site, Zoom)
7	K-12 Social Time
12–3:30	<b>K-12 Lounge staffed by volunteers in 1 hour shifts</b>
12–3:15	<b>Diversity, Equity, Inclusion Resource Room</b>
All Day	<b>Exhibitors Available</b>

## Monday, August 2, 2021

10–11:15	<b>Parallel Sessions E (10–11:15)</b>
PS.E-MO-1:	Forming an AAUP Chapter
PS.E-MO-2:	Introductory Courses II
PS.E-MO-3:	LGBT Physicists: Research and Perspectives
PS.E-MO-4:	PER: Diversity, Equity & Inclusion III – Gender
PS.E-MO-5:	Preparing New Physics Teachers: New Strategies for a New Era
PS.E-MO-6:	Teaching Physics – General Topics
PS.E-MO-7:	Teaching the Introductory Physics for the Life Sciences (IPLS) Course
PS.E-MO-8:	Upper Division/Graduate Courses
PS.E-MO-9:	Voices from the Field: COVID and Support for Transitions in Course Delivery Modes II
PS.E-MO-10:	History of Underrepresented Groups in Physics
PS.E-MO-11:	Upper Division Undergraduate
PS.E-MO-12:	Make Play Do Learn
PS.E-MO-13:	Effective Practices In Educational Training II
10:30–11:30	Want to be in the Know with the Book Publishing Partnership with AIP Publishing?
10–11	Vernier Commercial Workshop
11:15–11:30	<b>Virtual Coffee Break (Drop in) Exhibitor Time</b>
11:30–12:30	<b>AWARDS</b> Oersted Award: Shirley Jackson (LIVE)
12:30–1	Meet TPT and AJP Editors at AAPT Publications
12:30–1	<b>Virtual Coffee Break (Drop in) Exhibitor Time</b>
1–2	<b>AWARDS</b> Millikan Medal: Gregory E. Francis (LIVE)
2–2:15	<b>Virtual Coffee Break (Drop in) Exhibitor Time</b>
2–3	K-12 Lounge: Are my students ready for college Physics?
2:15–3:45	<b>Poster Session I</b>
2:15–3:45	K-12 Lounge Session: Are My Students Ready for College Physics?
2:45–3:45	THORLabs Commercial Workshop
2:45–3:45	DEI Resource Room: Dept. Action Team

3:45–4	<b>Virtual Coffee Break (Drop in) Exhibitor Time</b>
6	K-12 Social Time
10–11:15, 2:15–3:45	<b>K-12 Lounge staffed by volunteers</b>
10–11:15, 2:15–3:45	<b>Diversity, Equity, Inclusion Resource Room</b>
All Day	<b>Exhibitors Available</b>

## Tuesday, August 3, 2021

10–11	<b>Special Topics meet ups</b>
10–11	Professional Skills for Students meet up
10–11	30 Demos in 60 Minutes
10–11	Solo PER
10–11	Early Career Speed Networking
10–11	AIP Publishing Partnership Workshop
10–11	DEI Resource Room: Inclusive Curriculum in Physics
11–12	<b>DEI Plenary: Dr. Angela White (LIVE)</b>
12–1	K-12 Lounge Session: Teacher Town Hall, Emily Edwards
12–1	PASCO scientific Commercial Workshop
12–12:30	Meet the Editor of AJP at AAPT Publications
12–12:30	<b>Virtual Coffee Break (Drop in) Exhibitor Time</b>
12:30–2	<b>Poster Session II</b>
2–2:15	<b>Virtual Coffee Break (Drop in) Exhibitor Time</b>
2:15–3:15	<b>APS Plenary: Quantum Computing</b> , Justyn Zwolak, Kai-Mei C. Fu
3:15–4	Picture a Scientist Discussion (LIVE)
5	K-12 Social Time
10–11, 12:30–2	<b>Diversity, Equity, Inclusion Resource Room</b>
All Day	<b>Exhibitors Available</b>

## Wednesday, August 4, 2021

10–11	<b>Special Topics meet ups</b>
10–11	K-12 Teachers meet up
10–11	Early Career Topical Discussion
10–11	Meet up for Members and Supporters of the LGBTQ Community
10–11	Applying Cognitive Science to Physics Education: The Legacy of Frederick Reif, a Pessimist who Loved Optimists
10–11	AAPT and the Societies Consortium on Sexual Harassment in STEM’s “Roadmap Towards Excellence & Integrity in STEM”
10–11	Pivot Interactives Commercial Workshop
10–11	Changing Graduate Admissions: A Topical Discussion
11–12	<b>AWARDS</b> DSC, Fellows, Doc Brown Award: Ramón Barthelemy (LIVE)
12–12:30	<b>Virtual Coffee Break (Drop in) Exhibitor Time</b>
12:30–1:45	<b>Parallel Sessions F (12:30–1:45)</b>
PS.F-WE-1:	21st Century Physics in the Classroom
PS.F-WE-2:	Effective Practices in Educational Technology III
PS.F-WE-3:	Integrating Computation into High School Physics
PS.F-WE-4:	Lecture/Classroom
PS.F-WE-5:	Pandemics, Wars, Catastrophes: Their Impact in the History of Physics
PS.F-WE-6:	PER: Curriculum and Instruction II
PS.F-WE-7:	PER: Diversity, Equity & Inclusion IV
PS.F-WE-8:	Physics on the Road and the Art of Demonstration
PS.F-WE-9:	The Art and Science of Teaching
PS.F-WE-10:	Tips and Tricks for Publishing in the AAPT Journals: <i>The Physics Teacher</i> and the <i>American Journal of Physics</i>
PS.F-WE-11:	PER: Student Content Understanding, Problem-Solving and Reasoning IV
PS.F-WE-12:	High School

1:45–2	<b>Virtual Coffee Break (Drop in) Exhibitor Time</b>
2–3	<b>Special Topics meet ups</b>
2–3	Retired Physicist’s Meet up
2–3	Disability Meet up
2–3	International Meet up
2–3	Student Topical Discussion
2–3	Tweet-up
3–4	<b>PERC Bridging Session</b>
10–11, 12:30–4	<b>Diversity, Equity, Inclusion Resource Room</b>