

3-4	High School Teachers' Lounge	L505
3:30-4:30	Great Book Giveaway	Marquis Ballroom C-D
3:30-5	T03 Tools for Undergraduates Conducting Outreach	M101
3:30-5:30	EA Astronomy Papers	International 4
3:30-4:40	EB Technologies	International 5
3:30-5:30	EC 21st Century Physics in the Classroom	International 6
3:30-4:30	ED Non-academic Career Trajectories	International 7
3:30-5:30	EE Lab Guidelines Focus Area 4: Communication	International 8
3:30-5:30	EF Science Café	International 9
3:30-5:30	EG Report of the APS/AAPT Joint Task Force on Undergraduate Physics Programs (Panel)	International 10
5:30-6:30	Executive Programs Committee	M106
5:30-7	Special Projects and Philanthropy	M103
5:30-7	Committee on Teacher Preparation	M104
5:30-7	Committee on Physics in Undergraduate Education	M107
5:30-7	Committee on Women in Physics	M304
5:30-7	PERLOC	International 3
5:30-7	Awards Committee (closed)	M105
5:30-7	Committee on the Interests of Senior Physicists	L504
6-7:30	SPS Undergraduate Awards Reception	M301
7-8:10	FA Solar Eclipse	International 5
7-8:30	FB UTeach in Physics	International 6
7-8:10	FC Building Institutional Support for your Physics Teacher Preparation Program	International 7
7-8:20	FD PER: Examining Content Understanding and Reasoning	International 8
7-8	FE Labs/Apparatus (General)	International 9
8:30-10	Jossem International Reception (ticket)	M301
8:30-10	Poster Session 2	Marquis Foyer

Tuesday, February 21, 2017

7-8:30	Programs Committee II	M301
7-8:30	PERTG Town Hall Meeting	International 3
7 a.m.-3 p.m.	Quiet Room	L507
8-3	REGISTRATION	Marquis Registration
8:30-10:30	GA Astronomy Outreach & Planetarium Education	International 4
8:30-10:30	GB Phys Rev Focused Collection on Gender in Physics	International 5
8:30-10:30	GC Developing Project-based Lab Courses	International 6
8:30-10:30	GD Work/Life Balance (Panel)	International 10
8:30-10:30	GE Engaging the Public with Festivals	International 8
8:30-10:30	GF Video of the Week (Panel)	International 9
8:30-10:10	GG Introductory Courses	International 7
8:30-12	SEES	Marquis Ballroom A
9-10:30	High School Teachers' Lounge	L505
10:30-12	Awards Oersted Medal to Jan Tobochnik, DSC's, SPS Chapter Advisor Presidential Transfer	Marquis Ballroom B
12:30-1:50	HA Challenges Faced by LGBT Physicists	International 5
12:30-1:30	HB Cold War Physics	International 6
12:30-2:30	HD Professional Skills for Graduate Students (Panel)	International 9
12:30-2:30	HE Induction and Mentoring of Early Career Teachers	International 8
12:30-2:30	HF The Wonderful World of AJP	International 10
2-3:30	Nominating Committee II	M108
2:30-4	IA Post Deadline Abstracts I	International 3
2:30-3:30	IB Post Deadline Abstracts II	International 4
2:30-3:10	IC Post Deadline Abstracts III	International 5
2:30-4	Post Deadline Posters	Marquis Foyer
3-5	Board of Directors III	M104
4-6	Whew it's Over (end of meeting social)	The Varsity

Bus Schedule for Workshops

Saturday, February 18

Buses departing Marriott Marquis to Georgia Tech

- 7:15 a.m.
- 7:25 a.m.
- 12:20 p.m.
- 12:45 p.m.
- 4:30 p.m.
- 4:45 p.m.

Buses will run every 25 minutes between 1 p.m. and 4 p.m. from the Marriott Marquis to Georgia Tech for those interested in attending the Solar Astronomy Events and plenaries at Georgia Tech.

Buses departing Georgia Tech, returning to Marriott Marquis

- 12:15 p.m.
- 1:00 p.m.
- 5:15 p.m.
- 5:30 p.m.
- 6:45 p.m.
- 7:00 p.m.

Buses will depart the Marriott on the International Level at the Cortland Street exit. Buses will pick up at Georgia Tech near the CULC building.

Sunday, February 19

Buses departing Marriott Marquis to Georgia Tech

- 7:15 a.m.
- 7:25 a.m.

Buses departing Georgia Tech, returning to Marriott Marquis

- 12:15 p.m.
- 12:30 p.m.

A van will take participants to Workshop W15 at Spelman College on Saturday:

- Pick-up at Marriott: 9:00 a.m.
- Departure from Spelman (Science Center): 4:30 p.m.

Download the meeting app by going to <https://crowd.cc/s/x8p6>, or search the "Apple" or "Google Play" stores for AAPT, American Association of Physics Teachers, WM17, 2017 AAPT Winter Meeting.



AAPT 2017 **WINTER MEETING**
PHYSICS EDUCATION
FEBRUARY 18-21 ATLANTA, GA



Meeting at a Glance

Friday, February 17, 2017

4-7 p.m.	REGISTRATION	Marquis Registration
4-7 p.m.	Quiet Room	L507
5-6 p.m.	New Board Orientation	M104
6:30-9:30 p.m.	AAPT Board of Directors	M104
7 p.m.	Early Arrivals Networking Event	Pulse Bar

Saturday, February 18, 2017

7 a.m.-4 p.m.	REGISTRATION	Marquis Registration
7 a.m.-10 p.m.	Quiet Room	L507
	WORKSHOPS (EXCEPT W15) ARE AT GEORGIA TECH CLOUGH UNDERGRADUATE LEARNING COMMONS (CULC)	
8-10	Publications Committee	M103
8-10	Meetings Committee	M106
8-11 T01	Using a Planetarium for Teaching and Outreach	CULC Atrium
8-12 W01	Dark Matter and Neutrinos	CULC 123
8-12 W02	Everything You Wanted to Know About Using Smartphones in Your Classroom	CULC 362
8-12 W03	Making Physics Videos with iPads	CULC 372
8-12 W04	Maximize Student Interest and Learning	CULC 373
8-12 W06	Classroom Activities that Support Understanding of Magnetism and Quantum Mechanics	CULC 375
8-12 W07	Atlanta Master Teachers and Their Best Practices	CULC 125
8-5 W13	Research-based Alternatives to Problem Solving in Physics	CULC 127
8-5 W14	Developing Inquiry Labs for AP Physics	CULC 346
10-4 W15	Trans-Disciplinary Project-based Instruction in Biology and Physics at Spelman College	Spelman College
10:15-4:45	AAPT Board of Directors II	M104
11:30-2:30	Resource Letters Committee	M103
12-4	Solar Astronomy Events, Stephen Ramsden	Georgia Tech
1-5 W18	Fun and Engaging Labs	CULC 362
1-5 W19	Fun, Engaging and Effective Labs and Demos in Electricity and Magnetism and Optics	CULC 372
1-5 W21	Learn To Create Interactive Physics Simulations for Computers, Tablet Devices, Smart Phones	CULC 373
1-5 W22	Project-based Learning for Intro. Physics for Life Science	CULC 123
1-5 W23	Teaching Introductory Astronomy Using Quantitative Reasoning Activities	CULC 125
1-5 W24	Demos for Outreach	CULC 481
2-4	Fernbank Science Center tour	Offsite
3-4:30	Nominating Committee	M103
5-5:30 Plenary	Solar Astronomy, Stephen Ramsden	Georgia Tech Ferst Arts Center
5:30-6:30 Plenary	The Physics of Music, Michael Ruiz	Georgia Tech Ferst Arts Center
5:30-6:30	New Chair Orientation	M301
5:30-8	Section Officers and Representatives Meeting	M106/107
6:30-7:30	#AAPTWM17 Official Tweet-up	M103
6:30-8	Programs Committee I	M301
7:30-9	REGISTRATION	Marquis Registration
8-10	Exhibit Hall Open & Welcoming Reception	Marquis Ballroom C-D
8-10	SPS Undergraduate Research & Outreach Poster Session	Ballroom C-D
10-12	Winter Meeting Dance Party	Marquis Ballroom A

Sunday, February 19, 2017

7 a.m.-4 p.m.	REGISTRATION	Marquis Registration
7 a.m.-10 p.m.	Quiet Room	L507
7-8	First Timers' Gathering	M301
7:30-9	Review Board	M103
7:30-9	Physics Bowl Advisory Board	M104
7:30-9	Membership and Benefits Committee	M302

8-11	Safety, Respect & Inclusion: How to be Part of the Solution	M105
8:30-10	High School Share-a-thon	International C
	WORKSHOPS (EXCEPT W15) ARE AT GEORGIA TECH CLOUGH UNDERGRADUATE LEARNING COMMONS (CULC)	
8-12 W26	Reaching, Teaching, and Keeping Underrepresented Groups in Physics	CULC 123
8-12 W27	Introduction to Arduino - An Underwater Robot Operated Vehicle	CULC 362
8-12 W28	Integrating Computation into Undergraduate Physics	CULC 373
8-12 W29	Low-Cost, At-Home Labs for School-based or Online Courses	CULC 372
8-12 W30	Projects in Physics Beyond Rockets and Rollercoasters	CULC 375
8-12 W31	Submitting Competitive Proposals to the NSF IUSE Program	CULC 123
9-10	Venture/Bauder Fund	M108
9-10	Governance Structure Committee	M107
9-10:30 TOP01	The Fulbright Experience	M106
9-11 T02	Electrostatics Tutorial	M101
9-12 T04	Preparing for the 2017 Solar Eclipse	L505
10-11	Finance Committee	M104
10-11	Spouse and Guest Gathering	M103
10-11:50 AA	Teaching Scientific Practices in HS and College Labs	International 4
10-12 AB	Understanding the Apparatus	International 5
10-12 AC	The Physics of the NSF IUSE Program	International 6
10-11:40 AD	Frontiers of Space Science & Human Space Flight	International 7
10-11:50 AE	Self-Efficacy, Resilience, Persistence for Underrepresented Women: What Research Tells Us	International 8
10-12 AF	Lessons from the Pre-HS Community (Panel)	International 9
10-12 AG	Effective Practices for Integrating Computation into the Curriculum (Panel)	International 10
10-5	Exhibit Hall Open (break 10-10:30 a.m.)	Marquis Ballroom C-D
10:15	Raffle in Exhibit Hall - JBL Bluetooth Headphones	
11:30-12:30	High School Teachers' Lounge	L505
12-1:45	ALPhA meeting	International 4
12:30-1:30	Meet-up for Members and Supporters of LGBTQ Community	M103
12:30-1:30 CW01	Expert TA: Free Body Diagrams in Online Homework	M101
12:30-1:30 CW02	Lab4Physics: How to Engage Students in a Physics Classroom	M104
12:30-1:30 CW07	PASCO scientific: Essential Physics, the Ultimate e-Book for Physics	M102
12:30-2	Early Career Professionals Speed Networking	L401-L403
12:30-2	H.S. Physics Teachers' Day Luncheon (ticket)	M301
12:30-2	Committee on Science Education for the Public	M106
12:30-2	Committee on Graduate Education in Physics	International 3
12:30-2	Committee on Educational Technologies	International C
12:30-2	Committee on Modern Physics	International 10
12:45-3:15	Behind the Seas Georgia Aquarium Tour	Offsite
2-3	High School Teachers' Lounge	L505
2-3 p.m. CW06	PASCO scientific: Smart Cart Workshop	M102
2-3 BA	Introductory Courses (General)	International 4
2-3:20 BB	Institutional Support for Elementary Teacher Physics Training	International 5
2-3 BC	Interactive Lecture Demonstrations: What's New? ILDs Using Clickers and Video Analysis	International 6
2-3:20 BD	PER: Diverse Investigations	International 7
2-3:40 BE	Tools to Support the Conceptual Understanding of Magnetism and Quantum Mechanics	International 8
3:30-4	Exhibit Hall Afternoon Coffee Break	
	Raffle of Samsung smart watch at 3:45 p.m.	Marquis Ballroom C-D
3:30-4:30 CW05	PASCO scientific: Smart Cart Workshop	M102

4-5:40 CA	Maker Spaces in K-12	International 4
4-6 CB	Astronomy Education Research	International 5
4-6 CC	New Resources and Pedagogy for the IPLS Course	International 6
4-6 CD	Results of APEX (Alabama Physics Excellent) Project	Professional Development International 7
4-5:30 CE	High School	International 8
4-6 CF	Introductory Labs/Apparatus	International 9
4-6 CG	Creating Inclusive Environments at Conferences (Panel)	International 10
6-7:30	Committee on Apparatus	M104
6-7:30	Committee on Physics in High Schools	International C
6-7:30	Committee on International Physics Education	M101
6-7:30	Committee on Professional Concerns	M102
6-7:30	Committee on Space Science and Astronomy	M105
6-7:30	First Timers' and Early Career Professionals Social	White Oak Kitchen
6-7:30	Committee on Diversity in Physics	M107
6-7:30 TOP02	Physics & Society Topical Discussion	International 3
6-7:30 TOP03	Graduate Student Topical Discussion	M106
7:30-8:30	Awards Richtmyer Memorial Lecture Award, Jay M. Pasachoff	Ballroom B
8:30-10	Meeting of the Members	Marquis Ballroom B
9-12	Game Room Night	Marquis Ballroom A

Monday, February 20, 2017

7 a.m.-5 p.m.	REGISTRATION	Marquis Registration
7 a.m.-10 p.m.	Quiet Room	L507
7-8	AAPT Fun Run/Walk (ticket)	Offsite
7-8	Two-Year College Breakfast	M301
7:30-9	PTRA Oversight Committee	M107
7:30-9	Investment Advisory Committee	TBA
8-9	SM17 Preliminary Paper Sort (closed)	L504
8-9:30	Poster Session 1	Marquis Foyer
8-9:30 TOP04	Two Year College Issues	International 3
8-9:30 TOP05	Best Practices to Make Women Welcome in Physics Booklet	
8-9:30 TOP06	Bring the 2017 Solar Eclipse into your Class!	International 5
9:30-10:30 Plenary	Moogega Cooper Stricker, Jet Propulsion Laboratory	Ballroom B
10-4	Exhibit Hall Open (morning coffee break 10:30-11 a.m.)	Ballroom C-D
10:45	Exhibit Hall - Raffle of HALO Bolt Portable Charger	Marquis Ballroom C-D
11-12:30 DA	Project-based Learning for Introductory Physics for Life Science	International 7
11-12 DB	Teaching Strong Gravity: Black Holes in the Classroom	International 4
11-12:10 DC	Effective Practices in Educational Technologies	International 5
11-12:20 DD	Societal Influences on Students' Career Paths	International 6
11-12:30 DE	30 Demos in 60 Minutes (Panel)	International 9
11-12:30 DF	PER: Evaluating Instructional Strategies	International 8
11-12:30	High School Teachers' Lounge	L505
11:30-12:30 CW03	Data Collection on Mobile Devices with Vernier	M101
12:30-1:30 CW04	Data Collection on Mobile Devices with Vernier	M101
12:30-2	Multi-Cultural Luncheon (ticket)	Offsite
12:30-2	Retired Physicists Luncheon (ticket)	Sears Restaurant
12:30-2	Committee on Laboratories	International 4
12:30-2	Committee on History & Philosophy of Physics	International 10
12:30-2	Committee on Research in Physics Education (RiPE)	M104
12:30-2	Committee on Physics in Two-Year Colleges	International 7
12:30-2	Committee on Physics in Pre-High School Education	International 3
2-3 Plenary	Ken Bloom, University of Nebraska-Lincoln	Marquis Ballroom B
3-3:30	Exhibit Hall Afternoon Break	
	Raffle of Fire HD Tablet at 3:15 p.m.	Marquis Ballroom C-D