

# Meeting-at-a-Glance

Meeting-at-a-Glance includes sessions, workshops, committee meetings and other events, including luncheons, Exhibit Hall hours, plenary sessions, and receptions. All rooms will be at the Washington Marriott Wardman Park Hotel. Workshops will be held at the University of the District of Columbia.

## FRIDAY, Feb. 12

6–8 p.m. Pre-registration Pickup Lobby Level

## SATURDAY, Feb. 13

7 a.m.–5 p.m.		<b>REGISTRATION</b>	Lobby Level
7:30–11:15 a.m.	W07	Data Analysis Software, Astronomical Images, and Physics Concepts	UDC
7:30 a.m.–3:30 p.m.	W01	Physics Teaching and the Development of Reasoning	UDC
7:30 a.m.–3:30 p.m.	W02	Developing Physics Teacher Knowledge	UDC
7:30 a.m.–3:30 p.m.	W04	Physics by Design	UDC
7:30 a.m.–3:30 p.m.	W05	Household Electricity in the Physics Classroom	UDC
9 a.m.–3 p.m.	W06	Behind the Scenes at the Smithsonian	offsite
8–10:30 a.m.		Awards Committee meeting	Congressional
10:30 a.m.–4 p.m.		AAPT Executive Board	Congressional
11:45 a.m.–3:30 p.m.	W08	Activities-based Units for All Ages	UDC
11:45 a.m.–3:30 p.m.	W09	Ben Franklin as My Lab Partner	UDC
11:45 a.m.–3:30 p.m.	W10	Condensed Lecture Demonstration Workshop	UDC
11:45 a.m.–3:30 p.m.	W24	Live Photo Physics: Video-based Analysis Activities	UDC
1–3 p.m.	T01	Building Your Physics Course with ComPADRE	UDC
4–6 p.m.		<b>The Kavli Foundation Joint Plenary</b> – Re-Energizing America's Focus on STEM Education	Salon 1 and 2
6–7 p.m.		Teach For America: SPS Recruiting Session	Tyler

## SUNDAY, Feb. 14

7 a.m.–4 p.m.		<b>REGISTRATION</b>	Lobby Level
8–10:30 a.m.		Publications Committee meeting	Taylor
8–10:30 a.m.		Meetings Committee meeting	Truman
8–11:45 a.m.	W14	Using the Wii for Fun and Physics	UDC
8–11:45 a.m.	W15	Ranking Tasks in Astronomy	UDC
8–11:45 a.m.	W16	Equity Education “Outside the Box”: Exploring Issues of Race and Gender	UDC
8–11:45 a.m.	W17	A New Model of Instruction for the Urban Physics Classroom	UDC
8–11:45 a.m.	W18	Designing an Inquiry-based Physics Course for K-12 Teachers	UDC
8–11:45 a.m.	W19	Using Easy Java Simulations for Physics Teaching	UDC
8–11:45 a.m.	W20	Just-in-Time Teaching: Using the Web to Create Active Learning	UDC
8 a.m.–4:30 p.m.	W11	Research-based Alternative to Problem Solving	UDC
8 a.m.–4:30 p.m.	W12	Teaching Physics for the First Time	UDC
8 a.m.–4:30 p.m.	W13	Going Deep to Reach the Stars	UDC
8 a.m.–4:30 p.m.	W03	Using Research-based Curricula and Tools for Intro. Course	UDC
10:30 a.m.–12:30 p.m.		Mini Retreat for Area Chairs and Section Reps	Virginia B
11:30 a.m.–2:30 p.m.		Resource Letters Editorial Board	Jackson
12–6 p.m.		Exhibitors Setup	Exhibit Hall
12:30–1:30 p.m.		Mini Retreat Luncheon	Virginia C
12:45–2:45 p.m.	T02	Civic Engagement and Service Learning: SENCER project	UDC
12:45–2:45 p.m.	T03	Multimedia Modern Physics for High School Teachers	UDC
12:45–2:45 p.m.	T04	Monster in the Middle	UDC
12:45–4:30 p.m.	W21	Designing a Diagnostic Learning Environment	UDC
12:45–4:30 p.m.	W22	Following Students' Learning in the PET, PSET, and LEPS Courses	UDC
12:45–4:30 p.m.	W23	Tutorials in Intro. Physics: A Research-Validated Approach	UDC
12:45–4:30 p.m.	W25	Laboratories with Biomedical Applications	UDC
12:45–4:30 p.m.	W26	TA Preparations: Challenges and Successes	UDC
12:45–4:30 p.m.	W27	Nuclear Forensics	UDC

12:45–4:30 p.m.	W28	N-TIPERS: Research-based Conceptual Reasoning Tasks	UDC
1:30–4 p.m.		Mini Retreat for Area Chairs	McKinley
1:30–4 p.m.		Mini Retreat for Section Representatives	Balcony C
2–3:30 p.m.		A Module from the Algebra Project: Mathematical Sentences	Washington 2
4–5:30 p.m.		Programs Committee meeting – I	Washington 2
5–6:30 p.m.		AAPT Council Meeting	Washington 3
5–6:30 p.m.		Nominating Committee meeting – I	Jefferson
5–6:30 p.m.		Graduate Education in Physics Committee	Jackson
5–7 p.m.		High School Share-A-Thon	Washington 1
6–8 p.m.		<b>REGISTRATION</b>	Lobby Level
7–9 p.m.		APS/AAPT Welcome Reception/ SPS Poster Reception/ Exhibits Open	Exhibit Hall
9–10:30 p.m.		<i>Secrecy</i> Film, a film by Peter Galison and Robb Moss	Park Tower 8209

## MONDAY, Feb. 15

7–8:30 a.m.		Teacher Preparation Committee meeting	Truman
7–8:30 a.m.		Interest of Senior Physicists Committee meeting	Jackson
7–8:30 a.m.		International Physics Education Committee meeting	Jefferson
7–8:30 a.m.		Physics in High School Committee meeting	Johnson
7–8:30 a.m.		Physics in Pre-High School Education Committee meeting	Buchanan
7–8:30 a.m.		PIRA business meeting	Park Tower 8217
7–8:30 a.m.		Physics Bowl Advisory Group meeting	Park Tower 8223
7 a.m.–4 p.m.		<b>REGISTRATION</b>	Lobby Level
7:30–8:30 a.m.		First Timers' Gathering	Virginia B
7:30–8:30 a.m.		Two-Year College Breakfast	McKinley
7:30–8:30 a.m.		Retirees' Breakfast	Thomas Paine
8:30–10:18 a.m.		<b>Joint Plenary with APS</b>	Salon 1 and 2
9–10 a.m.		Spouses' Gathering	Thomas Paine
10 a.m.–5 p.m.		APS/AAPT Job Fair	Exhibit Hall
10 a.m.–6 p.m.		Exhibit Show Open	Exhibit Hall

10:45 a.m.–12:21 p.m.	AB	Bridging the Gap in Physical Science: Teaming H.S. and K-8 Teachers	Virginia B
10:45 a.m.–12:33 p.m.	AA	Panel: International Issues in Physics Education	Balcony D
10:45 a.m.–12:33 p.m.	AC	Interactive Lecture Demonstrations: Physics Suite	Virginia C
10:45 a.m.–12:33 p.m.	AD	Astrophysics in the Classroom	Balcony A
10:45 a.m.–12:33 p.m.	AE	SPS Undergraduate Research & Outreach – I	Harding
10:45 a.m.–12:33 p.m.	AF	National Resources for Science Education	Balcony C
10:45 a.m.–12:33 p.m.	AG	Teaching with Technology – I	Washington 1
10:45 a.m.–12:33 p.m.	AH	Reforming Introductory Physics Courses for Life Science Majors – II	Washington 2
10:45 a.m.–12:33 p.m.	AI	PER: Topical Understanding and Attitudes	Washington 3
10:45 a.m.–12:33 p.m.	CW02	CPO Science, School Specialty Commercial Workshop	Nathan Hale

12:33–1:30 p.m.	BA	CRACKERBARREL: Advanced Laboratory Personnel	Virginia C
12:33–1:30 p.m.	BB	CRACKERBARREL: PER Graduate Student Concerns	Virginia B
12:33–1:30 p.m.	BC	CRACKERBARREL: Physics and Society	Johnson
12:33–1:30 p.m.	BD	CRACKERBARREL: Impact of NCLB and Changes in State Certification	Buchanan
12:33–1:30 p.m.		Young Physicists' Meet and Greet	McKinley
12:33–1:30 p.m.		Bauder Committee meeting	Jackson
12:33–1:30 p.m.		Review Board Committee meeting	Jefferson
12:33–1:30 p.m.		Venture Fund Committee meeting	Ethan Allen
12:33–1:30 p.m.		Finance Committee meeting	Park Tower 8217
12:33–1:30 p.m.		Barbara Lotze Scholarship Committee meeting	Park Tower 8223
12:33–1:30 p.m.	CW03	John Wiley and Sons, Inc. Commercial Workshop	Park Tower 8210
12:33–1:30 p.m.	CW05	It's About Time Commercial Workshop	Balcony D

1:30–3:18 p.m.		<b>AAPT's Phillips, Jackson, Distinguished Service Awards Ceremony</b>	Salon 3
3:30–4:18 p.m.	JB	Teaching with Technology – II	Salon 3
3:30–5:18 p.m.	CC	Teaching Training/Enhancement	Virginia C
3:30–5:30 p.m.	CE	SPS Physics Outreach	Harding

3:30–5:45 p.m.		Chesapeake Section meeting	Taft
3:30–5:54 p.m.	FF	How To Advocate for Science Locally, Regionally, and Nationally	Washington 1
3:30–5:54 p.m.	CA	Panel: Information Fluency and Physics Curriculum	Balcony D
3:30–5:54 p.m.	CB	Unconventional Laboratories	Virginia B
3:30–5:54 p.m.	CD	TA Training: Why It Is Important and How To Do It Effectively	Balcony A
3:30–5:54 p.m.	CF	The Things Accomplished Teachers Do in Their Classrooms	Balcony C
3:30–5:54 p.m.	CH	Progress in Modernizing the Large Physics Course for Engineers	Washington 2
3:30–5:54 p.m.	CI	Research on Student Learning in Upper-Division Courses	Washington 3
3:30–5:54 p.m.	CJ	Exploring the Nation's Attic	Jackson
4–5:30 p.m.		<i>Secrecy</i> Film, a film by Peter Galison and Robb Moss	Park Tower 8209

5–7 p.m.		Undergraduate Awards with Physics Jeopardy; Vera Rubin Recognition	Hoover
5:45–7 p.m.		Physics in Undergraduate Education Committee meeting	Truman
5:45–7 p.m.		Laboratories Committee meeting	Jackson
5:45–7 p.m.		Professional Concerns Committee meeting	Jefferson
5:45–7 p.m.		PERTG meeting	Buchanon
5:45–7 p.m.		History and Philosophy Committee meeting	Johnson
5:45–7 p.m.		Minorities in Physics Committee meeting	Nathan Hale
7–8:30 p.m.		<b>LaserFest Public Lecture:</b> Ted Hänsch	Salon 3
8:30–9:15 p.m.	PST1	Poster Session 1 (odd numbers)	Exhibit Hall A
9:15–10 p.m.	PST1	Poster Session 1 (even numbers)	Exhibit Hall A

## TUESDAY, Feb. 16

7 a.m.–4 p.m.		<b>REGISTRATION</b>	Lobby Level
7–8:30 a.m.		Women in Physics Committee meeting	Jackson
7–8:30 a.m.		Physics in Two-Year Colleges Committee meeting	Johnson
7–8:30 a.m.		Apparatus Committee meeting	Buchanon
7–8:30 a.m.		PTRA Advisory Board meeting	Congressional
7:30–8:30 a.m.		Governance Review Committee meeting	Jefferson
8:30–10:18 a.m.		<b>Joint Plenary with APS</b>	Salon 1 and 2
9 a.m.–4 p.m.		APS/AAPT Job Fair	Exhibit Hall
10 a.m.–4 p.m.		Exhibit Hall Open	Exhibit Hall

10:45–11:57 a.m.	DG	Physics Education Research Around the World – I	Washington 2
10:45 a.m.–12:33 p.m.	DF	Lecture/Classroom	Washington 3
10:45 a.m.–12:33 p.m.	CG	Panel: Selling Physics Education Research and Education to Congress	McKinley
10:45 a.m.–12:33 p.m.	DA	The Art and Science of Astronomy	Balcony C
10:45 a.m.–12:33 p.m.	DB	Computational Physics in the Undergraduate Curriculum	Virginia B
10:45 a.m.–12:33 p.m.	DC	Funding Opportunities for Informal Science Education and Outreach	Virginia C
10:45 a.m.–12:33 p.m.	DD	Classroom Activities in Particle Physics for the High School – I	Balcony A
10:45 a.m.–12:45 p.m.	DH	PER: Problem Solving	Balcony B
11:30 a.m.–1:30 p.m.	CW04	Physics2000.com Commercial Workshop	Balcony D

12:33–1:30 p.m.	EA	CRACKERBARREL: What Now?	Balcony A
12:33–1:30 p.m.	EB	CRACKERBARREL: PER Faculty Concerns	Virginia B
12:33–1:30 p.m.	EC	CRACKERBARREL: Apparatus	Virginia C
12:33–1:30 p.m.	ED	CRACKERBARREL: History of Physics	Buchanon
12:33–1:30 p.m.	CW01	WebAssign Commercial Workshop	Washington 3
12:33–1:30 p.m.		Membership and Benefits Committee meeting	Jackson
12:33–1:30 p.m.		Audit Committee meeting	Johnson
12:33–1:30 p.m.		SI Units and Metric Education Committee meeting	Jefferson
12:33–1:30 p.m.		Multi-Cultural Luncheon	Washington 1
1:30–3:18 p.m.		<b>AAPT Symposium:</b> Educating Physics Teachers: A Call to Action	Salon 3

3:30–4:30 p.m.	FC	Classroom Activities in Particle Physics for the High School	Virginia C
3:30–5:18 p.m.	FK	A Physics Teacher's Introduction to Research Frontiers	Jackson
3:30–5:30 p.m.	FI	How Educational Technologies Can Support Physics Teaching	Washington 2
3:30–5:42 p.m.	FG	NSF Course Curriculum and Laboratory Improvement	Balcony D
3:30–5:45 p.m.	DE	Panel: Preparing Graduate Students for Careers in College Physics	Balcony C
3:30–5:42 p.m.	FA	Art and Physics	McKinley

3:30–5:54 p.m.	FB	Instructional Resources for Physics Teacher Education Programs	Virginia B
3:30–5:54 p.m.	FE	Enriching Physics in the Classroom and Beyond	Balcony A
3:30–5:54 p.m.	FH	<b>Joint AAPT/APS Session</b> on Physics and Society	Washington 1
3:30–5:54 p.m.	FJ	Improving Physics Teaching by Studying, Thinking, and Learning	Washington 3
4:42–5:06 p.m.	FD	Physics Majors: High School	Virginia C
5:45–6:30 p.m.		Great Book Giveaway	Registration area
5:45–7 p.m.		Governance Structure Committee meeting	Park Tower 8223
5:45–7 p.m.		Science Education for the Public Committee meeting	Jackson
5:45–7 p.m.		Research in Physics Education Committee meeting	Washington 1
5:45–7 p.m.		Educational Technologies Committee meeting	Jefferson
5:45–7 p.m.		Space Science and Astronomy Committee meeting	Johnson
5:45–7 p.m.		Investment Advisory Committee meeting	Buchanon
7–7:48 p.m.	GA	Physics of Hobbies	McKinley
7–8:12 p.m.	GF	Teaching to Students with Special Needs	Balcony C
7–8:24 p.m.	GC	Using Undergraduate Students in Undergraduate Curriculum	Virginia C
7–8:30 p.m.		<i>Secrecy</i> Film, a film by Peter Galison and Robb Moss	Park Tower 8209
7–8:36 p.m.	GI	PER: Student Reasoning	Washington 3
7–8:48 p.m.	GB	Astrobiology: From the Frontiers to the Classroom	Virginia B
7–8:48 p.m.	GD	Panel: Vertical Alignment of Physics Conceptual Curriculum	Balcony A
7–8:48 p.m.	GE	Successes/Challenges with SPS in TYCs and Small Departments	Balcony B
7–8:48 p.m.	GG	Teaching with Technology – III	Washington 1
7–8:48 p.m.	GH	Teaching Physics Around the World – I	Washington 2
7–7:48 p.m.	GJ	Upper-Level Physics	Balcony D
9–9:45 p.m.	PST2	Poster Session 2 (odd numbers)	Exhibit Hall A
9:45–10:30 p.m.	PST2	Poster Session 2 (even numbers)	Exhibit Hall A

## WEDNESDAY, Feb. 17

7–8:30 a.m.		Programs Committee – II	Harding
7–8:30 a.m.		Nominating Committee – II	Washington 1
7–8:30 a.m.		PERLOC meeting	Washington 5
8 a.m.–12 p.m.		<b>REGISTRATION</b>	Lobby Level
8:30–9:42 a.m.	HB	Teaching Physics Around the World – II	Washington 2
8:30–9:54 a.m.	HF	New Results in Astronomy Education Research	Washington 6
8:30–10:18 a.m.	HA	Upper Division and Graduate	Washington 1
8:30–10:18 a.m.	HC	Physics Education Research: Solved Problems and Open Questions	Washington 3
8:30–10:18 a.m.	HD	Physics Education Research in the High School	Washington 4
8:30–10:18 a.m.	HE	Policy and Women	Washington 5
8:30–10:18 a.m.	HG	Reflections on the Topical Conference on Advanced Labs	Maryland B
8:30–10:18 a.m.	HH	Pre-High School Reform Curriculum for Teacher Preparation	Maryland C
8:30–10:18 a.m.	HI	Panel: Science Learning in Informal Settings	Maryland A
10:30–11 a.m.		AAPT Presidential Transfer Ceremony	Washington 6
11 a.m.–12:33 p.m.	IA	Frontiers in Astrophysics	Washington 1
11 a.m.–12:36 p.m.	IB	Physics Education Around the World – II	Washington 6
11 a.m.–12:48 p.m.	IC	PER: Investigating Classroom Strategies	Washington 3
11 a.m.–12:48 p.m.	ID	Optics in the Upper-Level Curriculum	Washington 4
11 a.m.–12:48 p.m.	IE	Labs/Apparatus	Washington 5
11 a.m.–12:48 p.m.	IF	Technology for Teaching Advanced Physics	Washington 2
11 a.m.–12:48 p.m.	IG	Applications of Supercomputers in Astronomy	Maryland B
11 a.m.–12:36 p.m.	JA	H.S/ Introductory College	Maryland A
1:15–7 p.m.		AAPT Executive Board	Congressional