

Meeting-at-a-Glance

*Meeting-at-a-Glance includes sessions, workshops, committee meetings and other events, including luncheons, Exhibit Hall hours and snacks, plenary sessions, and receptions. All rooms will be in buildings on the University of Pennsylvania Campus. Workshops on Saturday and Sunday will be in the **Physics Department in David Rittenhouse Labs Building (DRL)**.*

KEY: HH = Houston Hall IA = Irvine Auditorium CCH = Claudia Cohen Hall DRL = David Rittenhouse Labs

FRIDAY, July 27

4–7 p.m.

REGISTRATION

HH - Reading Room

SATURDAY, July 28

7 a.m.–4 p.m.

REGISTRATION

HH - Reading Room

8 a.m.–12 p.m.	W08	LivePhoto Physics: Advanced Projects with Video Analysis	DRL - 3W2
8 a.m.–12 p.m.	W09	CASTLE Workshop - Model Building Investigations of Electromagnetic Field Production	DRL - 3C8
8 a.m.–12 p.m.	W11	New RealTime Physics and Interactive Lecture Demonstration Tools and Curricula	DRL - 3N20
8 a.m.–12 p.m.	W12	Teaching Physics in Urban Schools	DRL - 3N12
8 a.m.–12 p.m.	W13	Using FPGAs in the Digital Lab	DRL - 3N16
8 a.m.–5 p.m.	W01	Building Scientific Apparatus and Invention Prototypes	DRL - 3N9
8 a.m.–5 p.m.	W02	Grant Writing	DRL - Computer Lab
8 a.m.–5 p.m.	W03	Learning Physics While Practicing Science	DRL - 3W5
8 a.m.–5 p.m.	W04	Make, Take, and Do: Homemade Physics Equipment	DRL - 3N17
8 a.m.–5 p.m.	W05	Physics By Design	DRL - 3N15
8 a.m.–5 p.m.	W06	PIRA Lecture Demonstration I	DRL - A1
1–5 p.m.	W14	Ben Franklin is My Lab Partner	DRL - 3N12
1–5 p.m.	W15	Introductory Laboratories	DRL - 3W7 and 11
1–5 p.m.	W16	Lab Experiments that (can) Re-appear Across the Curriculum	DRL - 3N16
1–5 p.m.	W17	Modeling Physics for University Physics	DRL - 3C6
1–5 p.m.	W18	Science and Religion: Teaching Critical Thinking	DRL - 3W2
1–5 p.m.	W19	Skepticism in the Classroom	DRL - 3C2
4–5:15 p.m.		Awards Committee	HH - Griski
5:15–7:15 p.m.		Meetings Committee	Sheraton - Chestnut
6:30–10 p.m.		AAPT Executive Board I	Sheraton - William Penn

SUNDAY, July 29

7 a.m.–4 p.m.

REGISTRATION

HH - Reading Room

8–10 a.m.		Publications Committee	Sheraton – William Penn
8 a.m.–12 p.m.	W25	Real-time Assessments of Student Understanding	DRL - 3C2
8 a.m.–12 p.m.	W26	PRISMS – A High School Physics Curriculum	DRL - 3W2
8 a.m.–12 p.m.	W27	Activities for Teaching About Weather and Climate	DRL - 3N15
8 a.m.–12 p.m.	W28	Can You Teach Radioactivity Using Inquiry? Yes!	DRL - 3N12
8 a.m.–12 p.m.	W29	ClassAction: Interactive Classroom Materials for Introductory Astronomy	DRL - 3C6
8 a.m.–12 p.m.	W30	How to Make Significant, Lasting Changes in Intro. Physics for Life Science Course	DRL - 3N14
8 a.m.–12 p.m.	W31	From Ptolemy to Einstein: Using Computer Simulations in Astronomy	DRL - PC Lab 1
8 a.m.–12 p.m.	W32	Sound & Music, Ways to Teach It (Free Kit!)	DRL - 3W5
8 a.m.–12 p.m.	W33	PTRA Workshop: Using Children's Literature to Teach Science	DRL - 3N22
8 a.m.–5 p.m.	W20	PIRA Lecture Demonstration II	DRL - A1
8 a.m.–5 p.m.	W21	The Physics of Energy	DRL - 3N17
8 a.m.–5 p.m.	W22	UTeach Observation Protocol (UTOP)	DRL - 3C8
8 a.m.–5 p.m.	W23	Computation and the Modeling Curriculum	DRL - 3N16
8 a.m.–5 p.m.		PIRA Resource Room/Apparatus Competition Set-up	HH - Platt Rehearsal
8 a.m.–5 p.m.		High School Physics Photo Contest Viewing & Voting	HH - Hall of Flags Balcony
9 a.m.–12 p.m.	T01	Research-based Teaching Strategies to Close the Gap	DRL- 3C4
10 a.m.–5:10 p.m.		Executive Board II	Sheraton - William Penn
10:30 a.m.–12 p.m.		Nominating Committee	IA - G01 Green
11:30 a.m.–2 p.m.		Resource Letters Committee	IA - G7
1–5 p.m.	W10	"Hands-on" on the Road	DRL - 3N15
1–5 p.m.	W35	Simple Experiments for Learning the Strategies that Mirror Scientific Practice	DRL - 3N9
1–5 p.m.	W36	Advanced & Intermediate Laboratories	DRL - 3W7 and 11
1–5 p.m.	W37	Biology-Inspired Labs for Introductory Physics	DRL - 3N12
1–5 p.m.	W38	Cosmology in the Classroom	DRL - 3W10
1–5 p.m.	W39	Free Online Integrated Learning Environment for Mechanics	DRL - 3N14
1–5 p.m.	W40	Heliophysics Applications for Physics Teaching	DRL - 3N22

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1–5 p.m.	W42	LEAP: Learner-Centered Environment for Algebra-based Physics	DRL - 3W5
1–5 p.m.	W43	Physics and Toys II: Energy, Momentum, Electricity, and Magnetism	DRL - 3W2
1–5 p.m.	W45	Video Resource for Learning Assistant Development	DRL - 3C4
1–5 p.m.	PTRA-4	Sound and Music: H.S. Materials Plus Updates for Grades	RNL - 3N6
5:15–6:30 p.m.		Programs Committee I	HH - Golkin
5:30–6:30 p.m.		Section Officers Exchange	CCH - Terrace
6–8 p.m.		High School Share-a-Thon	IA - Amado Recital Hall
6:30–8 p.m.		Section Representatives	CCH - Terrace
6:30–8 p.m.		Research in Physics Education Committee (RiPE)	HH - Class of 47
6:30–8 p.m.		Committee on Laboratories	IA - G16
6:30–8 p.m.		Committee on Graduate Education in Physics	HH - Griski
6:30–8 p.m.		Committee on SI Units and Metric Education	IA - G7
7:30–9 p.m.		REGISTRATION	HH - Reading Room
8–10 p.m.		Exhibit Hall Opening / Welcome Reception	HH - Bodek/Hall of Flags
8–10 p.m.		SPS Undergraduate and Graduate Research Poster Session / Reception	HH - Bistro
MONDAY, July 30			
7 a.m.–5 p.m.		REGISTRATION	HH - Reading Room
7–8:30 a.m.		Committee on Teacher Preparation	IA - G7
7–8:30 a.m.		Committee on Women in Physics	IA - G16
7–8:30 a.m.		Committee on Educational Technologies	IA - G01 Green
7:15–8:20 a.m.		First Timers' Gathering	IA - Cafe 58
7:15–8:15 a.m.		Two-Year College Breakfast (ticket required)	HH - Ben Franklin
8–10 a.m.		Poster Session I Set-up	HH - Bistro
8 a.m.–5 p.m.		High School Physics Photo Contest Viewing & Voting	HH - Hall of Flags Balcony
8 a.m.–5 p.m.		TYC Resource Room	HH - Reading Room Alcove
8 a.m.–5 p.m.		PIRA Resource Room	HH - Platt Rehearsal
8:30–10:30 a.m.	AA	Assessing Student Learning in Upper-Division Labs	Sheraton - Ben Franklin I
8:30–10:30 a.m.	AB	Panel: The Good and the Bad of Video Lectures	Sheraton - Ben Franklin II
8:30–10:30 a.m.	AC	Frontiers in Astronomy and Space Science	Sheraton - Ben Franklin III
8:30–10:30 a.m.	AD	Textbooks and Labs Suitable for Ninth Grade Physics	Sheraton - Ben Franklin IV
8:30–10:30 a.m.	AE	PER: Topical Understanding - Introductory Level	HH - Class of 49
8:30–10 a.m.	AF	Teacher Preparation Around the World	Sheraton - Ben Franklin V
8:30–10:30 a.m.	AG	Two-Year College New Faculty Experience	IA - Amado Recital Hall
8:30–10:30 a.m.	AH	PER in the High School	CCH - Claudia Cohen Terrace
8:30–10:30 a.m.	AI	Teaching Physics to the Liberal Arts Major	HH - Golkin
8:30–10:30 a.m.	PTRA-1	Explorations and Practicums, co-presented by George Amann and Pat Callahan	DRL - 3N6
10 a.m.–6 p.m.		Exhibit Hall Open (coffee break, 10:30 a.m.)	HH - Bodek and Hall of Flags
10:30–11:30 a.m.		Spouses/Guest Gathering	IA - Cafe 58
10:45 a.m.		Monday Amazon Kindle Drawing	HH - Bodek Lounge
11 a.m.–12:10 p.m.	Awards	AAPT Excellence in Teaching Awards	Inn at Penn - Woodlands
12:15–1:15 p.m.	CW04	Pearson Commercial Workshop	Inn at Penn - Reg./St. Marks
12:15–1:15 p.m.	CW05	Klinger Educational Products Corp. Commercial Workshop	Sheraton - University Suite
12:15–1:15 p.m.	CW06	Physics2000.com Workshop in Introductory Physics	HH - Golkin
12:15–1:15 p.m.	Crkbrl-01	Vidshare: Motivating and Elucidating Short Videos You Can Use!	IA - Amado Recital Hall
12:15–1:15 p.m.	Crkbrl-02	Crackerbarrel: Physics and Society	Sheraton - Ben Franklin I
12:15–1:15 p.m.		Early Career Professionals Speed Networking Event	Sheraton - Fairmount
12:15–1:15 p.m.		Retired Physicists' Luncheon (ticket required)	Sheraton - Chestnut
12:15–1:15 p.m.		H.S. Teachers' First Timers Luncheon/ AAPT: What's in it for H.S. Teachers?	HH - Ben Franklin
12:15–1:15 p.m.		Membership and Benefits Committee	IA - G7
12:15–1:15 p.m.		PERG Town Hall Meeting	CCH - Terrace
12:15–1:15 p.m.		AAPT Board /APS FEd Members Luncheon	TBD
1:30–3 p.m.	Plenary	APS Division of Biophysics: Birds, Brains, and Physics	Inn at Penn - Woodlands
3 p.m.–3:30 p.m.		Exhibit Hall: Afternoon Snack Break	HH - Hall of Flags/Bodek
3:15 p.m.		Monday Amazon Kindle Raffle Drawing	HH - Hall of Flags
3:30–5:30 p.m.	BA	Panel: Physics First Discussion – Success Stories in the Delaware Valley	Sheraton - Ben Franklin I
3:30–5 p.m.	BB	Leadership Models in Science	Sheraton - Ben Franklin II
3:30–5:30 p.m.	BC	The Art and Science of Teaching	Sheraton - Ben Franklin III
3:30–5:30 p.m.	BD	PER: Attitudes	HH - Class of 49
3:30–5:10 p.m.	BE	Video Analysis in Undergraduate Education	Sheraton - William Tell Suite
3:30–5:30 p.m.	BF	Innovations in Teaching Astronomy	Sheraton - Ben Franklin V
3:30–5:30 p.m.	BG	PER Around the World	CCH - Claudia Cohen Terrace
3:30–5:30 p.m.	BH	Continuing Teacher Preparation: Inservice Professional Development	Sheraton - Ben Franklin IV
3:30–5:30 p.m.	BI	What Works in the Pre-College Classroom	IA - Amado Recital Hall

3:30–5:30 p.m.	BJ	Introductory Labs/Apparatus	HH - Golkin
5:30–6:30 p.m.		Undergraduate Awards Reception	IA - Cafe 58
5:30–7 p.m.		Committee on Physics in Two-Year Colleges	HH - Golkin
5:30–7 p.m.		Committee on Professional Concerns	IA - G7
5:30–7 p.m.		Committee on Space Science and Astronomy	IA - G01 Green
5:30–7 p.m.		Committee on Physics in High Schools	HH - Class of 47
5:30–7 p.m.		PIRA Business Meeting	IA - Amado Recital Hall
5:30–7 p.m.		Benjamin Franklin Performance	CCH - Claudia Cohen Terrace
7–8:30 p.m.	CA	Can Computational Modeling be Accessible to Introductory Students?	Sheraton - Ben Franklin I
7–8:30 p.m.	CB	Labs at Many Levels	Sheraton - Ben Franklin II
7–8:30 p.m.	CC	Teaching Environmental Physics in the Undergraduate Curriculum	Sheraton - Ben Franklin III
7–8 p.m.	CD	iPad & iPhone Apps and Mobile Devices in the Classroom	Sheraton - Ben Franklin IV
7–8:30 p.m.	CE	Panel: Writing for Academic Journals	Sheraton - Ben Franklin V
7–8:30 p.m.	CF	Video Analysis in the High School and Introductory College Classroom	Sheraton - William Penn Suite
7–8:20 p.m.	CG	Mentoring Minority Students	CCH - Claudia Cohen Terrace
7–8:30 p.m.	CH	Oral History – Methods and Examples	HH - Class of 49
7–8:30 p.m.	CJ	Different Research-based Curricula Promote Different Agendas in Research	HH - Golkin
7–7:20 p.m.	CJ	Undergraduate Research	IA - Amado Recital Hall
7:30–8:30 p.m.	CK	Assessing Student Learning in the Introductory Lab	IA - Amado Recital Hall
8:30–10 p.m.	PST-1	Poster Session 1	HH - Bistro

TUESDAY, July 31

7–8 a.m.		AAPT Fun Run/Walk	31st and Walnut
7 a.m.–4:30 p.m.		REGISTRATION	HH - Reading Room
7:30–8:30 a.m.		Physics Bowl Advisory Committee	IA - G01 Green
8 a.m.–5 p.m.		High School Physics Photo Contest Viewing & Voting	HH - Hall of Flags Balcony
8 a.m.–5 p.m.		TYC Resource Room	HH - Reading Room Alcove
8 a.m.–5 p.m.		PIRA Resource Room	HH - Platt Rehearsal
8–10 a.m.		Poster Session II Set-up	HH - Bistro
8:30–10:30 a.m.	DA	International Perspectives on Laboratory Instruction	Sheraton - Ben Franklin I
8:30–10:30 a.m.	DB	Physics and Society	Sheraton - Ben Franklin II
8:30–10:30 a.m.	DC	Teaching Scientific Programming from Intro to Upper Level Physics	Sheraton - Ben Franklin III
8:30–10:20 a.m.	DD	Preparing Teachers to Serve Diverse Communities	Sheraton - Ben Franklin IV
8:30–10:20 a.m.	DE	Upper Division Undergraduate Education	Sheraton - Ben Franklin V
8:30–10:30 a.m.	DF	PER: Topical Understanding Intro to Advanced	HH - Class of 49
8:30–10:30 a.m.	DG	Physics of Entertainment	Sheraton - William Penn Suite
8:30–10:30 a.m.	DH	PER: Problem Solving I	CCH - Terrace
8:30–10:30 a.m.	DI	PER: Student Reasoning I	IA - Amado Recital Hall
8:30–10:30 a.m.	DJ	Using Research-based High School PER Curriculum in Teacher Preparation	HH - Golkin
8:30–10:30 a.m.	PTRA-2	PTRA presents Everyday Einstein: GPS & Relativity	DRL - Room 3N6
10 a.m.–4 p.m.		Exhibit Hall Open (coffee break, 10 a.m.)	HH - Bodek and Hall of Flags
10:45 a.m.		Tuesday B&N NOOK Raffle Drawing	HH - Hall of Flags
11 a.m.–12 p.m.	Plenary	Sizing Up the Universe: J. Richard Gott	Inn at Penn - Woodlands Ballroom
12–1 p.m.	CW01	Expert TA Commercial Workshop	Sheraton - University Suite
12–1:30 p.m.		Committee on Science Education for the Public	HH - Branchfeld
12–1:30 p.m.		Committee on the History & Philosophy of Physics	IA - G7
12–1:30 p.m.		Committee on Minorities in Physics	IA - G16
12–1:30 p.m.		Committee on International Physics Education	HH - Golkin
12–1:30 p.m.		Past Officers Luncheon	HH - Ben Franklin
12–1:30 p.m.	Crkbrl-03	Crackerbarrel for Solo PERs	Sheraton - Ben Franklin I
12–1:30 p.m.	Crkbrl-04	Common Core Framework and Physics Standards for College Success	Sheraton - Ben Franklin II
12–1:30 p.m.	Crkbrl-05	YouTube Sharathon Crackerbarrel	Sheraton - Ben Franklin V
12:15–1:15 p.m.		Book Signing by J. Richard Gott	Inn at Penn - Woodlands Foyer
12:15–1:15 p.m.		ALPhA Meeting	IA - G01 Green
12:30–1:30 p.m.	CW02	Pearson Commercial Workshop	Inn at Penn - Regent/St. Marks
1:30–1:50 p.m.	EA	The Coolest Experiment You Teach (beyond the first year)	Sheraton - Ben Franklin I
1:30–2:30 p.m.	EC	Faculty Peer Mentoring	Sheraton - Ben Franklin II
1:30–3 p.m.	ED	Preparing Teachers to Integrate Labs into Instruction	Sheraton - Ben Franklin III
1:30–3 p.m.	EE	Antique Electrostatic Apparatus	Sheraton - Ben Franklin IV
1:30–2:40 p.m.	EF	PER in the Pre-college Classroom	HH - Class of 49
1:30–2:40 p.m.	EG	Using a Planetarium to Teach Astronomy	IA - Amado Recital Hall
1:30–3 p.m.	EH	PER: Problem Solving II	Sheraton - Ben Franklin V
1:30–3 p.m.	EI	Using ISLE to Analyze Simple Experiments	Sheraton - William Penn Suite

1:30–3 p.m.	EJ	Two-Year Colleges Poster Session	HH - Reading Room Alcove
1:30–3 p.m.	EK	LHC Data for Physics Teachers and Students	CCH - Claudia Cohen Terrace
2–2:50 p.m.	EB	Continuing Teacher Preparation: Inservice Professional Development II	Sheraton - Ben Franklin I
3:15–3:45 p.m.		Exhibit Hall: Afternoon Snack Break	HH - Hall of Flags/ Bodek
3:15 p.m.		Tuesday B&N NOOK Raffle Drawing	HH - Bodek Lounge
3:30–4:30 p.m.	Plenary	Space-Time, Quantum Mechanics, Large Hadron Collider–N. Arkani-Hamed	Inn at Penn - Woodlands Ballroom
4:30–6 p.m.		Committee on Physics in Undergraduate Education	IA - G01 Green
4:30–6 p.m.		Committee on Physics in Pre-High School Education	IA - G7
4:30–6 p.m.		Committee on Apparatus	HH - Class of 47
4:30–6 p.m.		Committee on the Interests of Senior Physicists	IA - G16
4:30–6:30 p.m.	CW03	Vernier Software: New Data Collection Tools for Physics	Inn at Penn - Regent/St. Marks
6–6:30 p.m.		New Faculty Reunion	IA - G16
6–7:30 p.m.		Poster Session II	HH - Bistro
7:30–8:30 p.m.		Philadelphia Trolley Tour	HH pickup
9–10 p.m.		AAPT Demo Show	Inn at Penn - Woodlands Ballroom

WEDNESDAY, August 1

7–8:30 a.m.		Programs Committee II	Sheraton - Chestnut
7–8:30 a.m.		Governance Structure Committee (COGS)	IA - G01 Green
8 a.m.–3 p.m.		PIRA Resource Room	HH - Platt Rehearsal
8 a.m.–3 p.m.		REGISTRATION	HH - Reading Room
8 a.m.–3 p.m.		TYC Resource Room	HH - Reading Room Alcove
8:30–10 a.m.	FA	Bridge Experiences: Increasing Participation of Underrepresented Minorities	Sheraton - Ben Franklin I
8:30–10:30 a.m.	FB	PER: Investigating Classroom Strategies I	HH - Class of 49
8:30–10:30 a.m.	FC	Panel: Multi-Disciplinary-based Education Research Groups	Sheraton - Ben Franklin II
8:30–10:30 a.m.	FD	Reforming the Introductory Physics Course for Life Science Majors VII	IA - Amado Recital Hall
8:30–8:50 a.m.	FE	Developing Student's Scientific Literacy	Sheraton - Ben Franklin IV
8:30–10:30 a.m.	FG	Introductory Courses	Sheraton - Ben Franklin V
8:30–10:30 a.m.	FH	Teacher Preparation	Sheraton - William Penn Suite
8:30–10:30 a.m.	FI	Teaching Physics Around the World	Sheraton - Ben Franklin III
8:30–10 a.m.	FJ	PIRA Session: International Outreach	CCH - Claudia Cohen Terrace
8:30–10:30 a.m.	FK	Assessing Pedagogical Content Knowledge in Teacher Preparation	HH - Golkin
8:30–10:30 a.m.	PTRA-3	Using & Adapting OSP- & Physlet-based Materials for an Interactive Class	RNL - 3N6
9–10 a.m.	FF	Interactive Lecture Demonstrations—What's New?	Sheraton - Ben Franklin IV
10:30–11 a.m.		Great Book Giveaway; Kickoff for 2013 Winter Meeting New Orleans	HH - Reading Room
11 a.m.–12:15 p.m.	Awards	Millikan Medal – Phil Sadler; Distinguished Service Citations	Inn at Penn - Woodlands Ballroom
12:15–1:15 p.m.	Crkbrl-06	Do We Have Standards? Moving Towards a Definition of Physics Mastery	HH - Class of 49
12:15–1:15 p.m.	Crkbrl-07	Crackerbarrel for PER Graduate Students	CCH - Claudia Cohen Terrace
12:15–1:15 p.m.	Crkbrl-08	Crackerbarrel for Faculty in Small Departments	IA - Amado Recital Hall
12:15–1:15 p.m.		Nominating Committee II	IA - G01 Green
12:15–1:15 p.m.		Fredrick and Florence M. Bauder Endowment Committee	IA - G7
12:15–1:30 p.m.		Audit Committee	IA - G16
1:30–3 p.m.	GA	Teaching Physics in Urban and Suburban Settings	Sheraton - Ben Franklin I
1:30–3 p.m.	GB	PER: Investigating Classroom Strategies II	Sheraton - Ben Franklin II
1:30–2:50 p.m.	GC	Technologies	Sheraton - Ben Franklin III
1:30–1:50 p.m.	GD	Great Teachers	Sheraton - Ben Franklin IV
1:30–3 p.m.	GE	The Third Eye Returns	Sheraton - Ben Franklin V
1:30–3 p.m.	GF	PER: Student Reasoning II	HH - Class of 49
1:30–3 p.m.	GG	Dollar Store Labs	Sheraton - William Penn Suite
1:30–3 p.m.	GH	PER: Teacher Preparation and Development	CCH - Claudia Cohen Terrace
1:30–3 p.m.	GI	Physics for All	IA - Amado Recital Hall
1:30–3 p.m.	GL	Advanced Physics Topics / Post Deadline Session	HH - Golkin
1:30–3 p.m.	GM	Panel: Giving Voice in the Classroom	Sheraton - University Suite
2–3 p.m.	GK	Middle and High School Teaching	Sheraton - Ben Franklin IV
3–6 p.m.	PER	Physics Education Research (PER) Bridging Session	Inn at Penn - Woodlands Ballroom
6:30–8 p.m.		Physics Education Research Conference (PERC) Banquet	Sheraton - Ben Franklin Ballroom
8:30–10 p.m.		PERC Poster Session	HH - Hall of Flags