



American Association of Physics Teachers

# High School Physics Teachers' Day Registration Form for First Time AAPT Meeting Attendees

Monday, July 28, 2014 • Minneapolis, MN • University of Minnesota

### Registration fees

Attendee One-Day Registration: \$85 (Includes lunch)

Member      Member No.: \_\_\_\_\_       Non-member

First Name \_\_\_\_\_ Last Name \_\_\_\_\_

School Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Email \_\_\_\_\_

Phone:  Home  Work (\_\_\_\_) \_\_\_\_\_

Fax  Home  Work (\_\_\_\_) \_\_\_\_\_

Emergency Contact \_\_\_\_\_ Phone No: \_\_\_\_\_

### Check applicable boxes

- Attending for the first time
- Becoming an AAPT member
- Renewing my membership

Type of school affiliation:

High School

Disabilities/ Special Needs \_\_\_\_\_

### Monday Events:

- First Timers' Gathering      7-8:30 a.m.
- Kindle Fire Drawing      10-10:30 a.m.      (\$2.00)
- AmEx Gift Card Drawing      3:30-4:00 p.m.      (\$1.00)
- H.S. Physics Teachers' Day Luncheon      12:00-1:30 p.m.
- Spouse/Guest: Mississippi Queen River Boat Tour      12-1:30 p.m.      (\$25.00)

*Event Total:*      \$ \_\_\_\_\_

### Total Fees

- Check made out to AAPT
- Money Order
- Credit Card
- Purchase Order No. \_\_\_\_\_

**Please print clearly.**

\_\_\_ Visa    \_\_\_ MasterCard    \_\_\_ Discover    \_\_\_ Am. Express

Account Number \_\_\_\_\_

Expiration Date \_\_\_\_\_

Sec. Code \_\_\_\_\_

Name on Card \_\_\_\_\_

Signature: \_\_\_\_\_

Registration Fee (\$85)      \$ \_\_\_\_\_

I will attend lunch yes no (Free to participants)

Guest Fee \$40 (Includes registration & lunch)      \$ \_\_\_\_\_

Children \$30 (Includes registration & lunch)      \$ \_\_\_\_\_

Workshop Total Fee (see p. 2)      \$ \_\_\_\_\_

Event Total Fee      \$ \_\_\_\_\_

**TOTAL:**      \$ \_\_\_\_\_

By registering for this meeting, I grant AAPT permission to use photographs and videos taken of me in group settings during the meeting in future published materials.

There will be a **\$25** processing fee for all canceled registrations. No refunds after July 11, 2014.

Mail form to: AAPT Programs and Conferences, One Physics Ellipse, College Park, MD 20740

If you would like to attend any of the Workshops to be held on Saturday and Sunday, please fill out the registration form below and turn in with your Physics Day form:

**Registration fees**

Name: (please print clearly): \_\_\_\_\_

WORKSHOP # and Fee:	_____	_____	<u>SAT</u>	<u>SUN</u>
	_____	_____	_____	_____
	_____	_____	_____	_____
	_____	_____	_____	_____

Total Fee: \$ \_\_\_\_\_

**Workshops – Saturday, July 26**

**Time**

**Member NM**

T01	Not Everyone Wants to go to Grad School: How to be a Mentor for “the Other 40%” .....	9:00 a.m.–12:00 p.m.	T01:	\$60	\$85
T02	GlowScript: An Easy-to-use Programming Environment for 3D Browser Animations.....	1:00 p.m.–3:00 p.m.	T02:	\$60	\$85
W01	Morning Tour of the Bakken Museum.....	8:00 a.m.–12:00 p.m.	W01:	\$10	\$10
W02	Integrating Direct-Measurement Videos into Physics Instruction .....	8:00 a.m.–12:00 p.m.	W02:	\$65	\$90
W03	Open-Source Electronics for Laboratory Physics.....	8:00 a.m.–12:00 p.m.	W03:	\$140	\$165
W04	FPGAs in the Lab.....	8:00 a.m.–12:00 p.m.	W04:	\$75	\$100
W05	A Taste of TOPPS.....	8:00 a.m.–12:00 p.m.	W05:	\$70	\$95
W06	Inquiring into Radioactivity for Radiation Literacy .....	8:00 a.m.–12:00 p.m.	W06:	\$60	\$85
W07	Astronomy Is a Verb: Engaging Novice Science Students in Scaffolded Astro. Research.....	8:00 a.m.–12:00 p.m.	W07:	\$60	\$85
W08	Making Interactive Video Vignettes and Interactive Web Lectures .....	8:00 a.m.–12:00 p.m.	W08:	\$65	\$90
W09	Physics of Energy .....	8:00 a.m.–5:00 p.m.	W09:	\$80	\$105
W10	AP Physics 1&2.....	8:00 a.m.–5:00 p.m.	W10:	\$185	\$210
W11	Learning Physics While Practicing Science: Introduction to ISLE.....	8:00 a.m.–5:00 p.m.	W11:	\$86	\$111
W12	PIRA Demonstration Workshop I.....	8:00 a.m.–5:00 p.m.	W12:	\$115	\$140
W13	Introductory Laboratories.....	1:00 p.m.–5:00 p.m.	W13:	\$70	\$95
W14	Afternoon Tour of the Bakken Museum .....	1:00 p.m.–5:00 p.m.	W14:	\$10	\$10
W15	Activity-based Physics for the Advanced HS Classroom .....	1:00 p.m.–5:00 p.m.	W15:	\$68	\$93
W16	Tinkering and Explorations in Science – Integrating Sensors / Data Acqu. with Arduino.....	1:00 p.m.–5:00 p.m.	W16:	\$110	\$135
W17	Energy in the 21st Century.....	1:00 p.m.–5:00 p.m.	W17:	\$80	\$105
W18	Tips for Putting Fire into Your Teaching .....	1:00 p.m.–5:00 p.m.	W18:	\$60	\$85
W19	Skepticism in the Classroom.....	1:00 p.m.–5:00 p.m.	W19:	\$60	\$85
W20	Introductory Physics for Life Science – Curricular Materials and Activities.....	1:00 p.m.–5:00 p.m.	W20:	\$80	\$105
W21	Simple Experiments for Learning the Strategies that Mirror Science Practices .....	1:00 p.m.–5:00 p.m.	W21:	\$65	\$90

**Workshops – Sunday, July 27**

W22	Activities for Learning About Climate and Climate Change.....	8:00 a.m.–12:00 p.m.	W22:	\$60	\$85
W23	Creating Interactive Web Simulations Using HTML5 and JavaScript.....	8:00 a.m.–12:00 p.m.	W23:	\$60	\$85
W24	Integrating NGSS, Design, and Literacy .....	8:00 a.m.–12:00 p.m.	W24:	\$60	\$85
W25	What Every Physics Teacher Should Know About Cognitive Research.....	8:00 a.m.–12:00 p.m.	W25:	\$60	\$85
W26	Extreme Engineering for the HS Students and Teachers.....	8:00 a.m.–12:00 p.m.	W26:	\$60	\$85
W27	Patterns Approach .....	8:00 a.m.–12:00 p.m.	W27:	\$70	\$95
W28	Teaching Astronomy with Mobile Devices.....	8:00 a.m.–12:00 p.m.	W28:	\$20	\$45
W29	Demo Kit in a Box .....	8:00 a.m.–12:00 p.m.	W29:	\$70	\$95
W30	Interactive Engagement in the Upper-Division: Methods & Materials from CU-Boulder.....	8:00 a.m.–12:00 p.m.	W30:	\$72	\$97
W31	Strengthening Mathematical Sensemaking in Physics.....	8:00 a.m.–12:00 p.m.	W31:	\$60	\$85
W32	New RTP and ILD Tools and Curricula: Video Analysis, Clickers, and E&M Labs.....	8:00 a.m.–12:00 p.m.	W32:	\$75	\$100
W33	PIRA Demonstration Workshop II .....	8:00 a.m.–5:00 p.m.	W33:	\$115	\$140
W34	Research-based Alternatives to Traditional Physics Problems .....	8:00 a.m.–5:00 p.m.	W34:	\$80	\$105
W35	Advanced Labs.....	1:00 p.m.–5:00 p.m.	W35:	\$85	\$110
W36	Cosmology in the Classroom .....	1:00 p.m.–5:00 p.m.	W36:	\$60	\$85
W37	LEAP: Learner-Centered Environment for Algebra-based Physics .....	1:00 p.m.–5:00 p.m.	W37:	\$60	\$85
W38	Improving Assessment in Your Courses Using Tools from the PER User’s Guide .....	1:00 p.m.–5:00 p.m.	W38:	\$60	\$85
W39	Strategies to Help Women Succeed in Physics-related Professions .....	1:00 p.m.–5:00 p.m.	W39:	\$60	\$85
W40	Research-based Materials for a New Introductory Quantum Mechanics Curriculum .....	1:00 p.m.–5:00 p.m.	W40:	\$60	\$85
W41	Physics Mentoring Training .....	1:00 p.m.–5:00 p.m.	W41:	\$75	\$100
W42	Using, Modifying, and Building Internet Problem-solving Coaches for Your Students.....	1:00 p.m.–5:00 p.m.	W42:	\$60	\$85
W43	Using the MIT MOOC to Teach You and Your Class Better.....	1:00 p.m.–5:00 p.m.	W43:	\$60	\$85
W44	SCALE-UP I .....	1:00 p.m.–5:00 p.m.	W44:	\$65	\$90
W45	Physics and Toys II: Energy, Momentum, Electricity, and Magnetism Scheduling.....	1:00 p.m.–5:00 p.m.	W45:	\$70	\$95
W46	Physics Union Mathematics (PUM): Bringing Science & Engin. Practices to Class .....	1:00 p.m.–5:00 p.m.	W46:	\$64	\$89