

## **American Association of Physics Teachers**

## 2014 AAPT Winter Meeting Registration Form

January 4–7, 2014, Orlando, FL • Rosen Plaza Hotel

| How to Register  | Registration  |
|--|---|
| <ul> <li>Register online at www.aapt.org</li> <li>Mail form to: AAPT Programs &amp; Conferences</li> <li>One Physics Ellipse, College Park, MD 20740</li> </ul>  | AAPT Membe<br>AAPT Membe<br>Non-member -<br>Under. /Grad.   |
| ■ Member Member No.: ■ Nonmember   First Name   Last Name   Address  | AAPT Member Non-member - High School St Workshop Only Family/ Guest R: NAME  Members and N Sunday worksho Workshop Only |
| CityState/Province   | Attending Meetin  |
| CountryZip/Postal Code  Institution:  Email  Emergency Contact   | Commercial M  □ CW01: Per □ CW02: Per □ CW03: Per □ CW05: Exp □ CW06: Pea □ CW07: Wel                                   |
| Phone:   | 1. First Time   |
| Fax  | 2. Spouses/0  |
| Check applicable boxes   | 3. Retired P  |
| <ul> <li>Attending for the first time</li> <li>Becoming an AAPT member</li> <li>Renewing my membership</li> </ul>  | ☐ 4. H.S. Phys  |
| Type of school affiliation:  | 5. Early Car  |
| ☐ High School ☐ Two-Year College ☐ Four-Year College ☐ Other   | ☐ 6. TYC Brea   |
| Disabilities/ Special Needs  | 7. Multicult  |
|  | ■ 8. Annual A   |
| To qualify as "preregistered" status, <b>forms</b> must be received by December 14 in the AAPT National Office with full payment. Forms received after this date may NOT be processed before the meeting.  | ☐ 9. Sunday R   |
| You will need to register online or onsite with full payment. Deadline for registration cancellation is <b>Dec. 3</b> ( <b>Registration Cancellation Deadlines:</b> If you cancel your registration before/by November 5, the fee will be \$75; if you cancel November 6–December 3, the fee will be \$100; if you cancel December 4–21, the fee will be \$125. For students, the cancellation fee is 50% of registration fee. No refunds will be given after December 22.)  A \$10 administrative fee is charged for mailed in registration forms.  By registering for this meeting, I grant AAPT permission to use photographs and videos taken of me in group settings during the meeting for future published materials. | Total Fees Registration Fee Workshop Fee( Special Events Administrative   |
|  | Molzo obook   |

| Registration Fees (circle one)  | Received by 11/5/13  | Received by 12/3/13          | Onsite<br>12/4–1/7 |
|---|--|------------------------------|--------------------|
| AAPT Member – Full meeting  | \$360  | \$484                        | \$683              |
| AAPT Member – Retired/Emer./Lifetime  | 4  | \$425                        | \$597              |
| Non-member – Full meeting   | \$575  | \$699                        | \$899              |
| Under. /Grad. student AAPT member   |  | \$50                         | \$66               |
| AAPT Member – 1 Day (day?)  | \$235  | \$369                        | \$515              |
| Non-member – 1 Day (day?)   | \$450  | \$584                        | \$730              |
| High School Students  | Complin  | nentary                      |                    |
| Workshop Only   |  | -refundable)                 |                    |
| Family/ Guest Registration:   \$40 (Spot  | -  |                              | -                  |
| NAME(S):  |  | 6 & unc                      | ler free           |
| Members and Non-members, use Workshop Sunday workshop without attending the Me Workshop Only (not attending any meetings) Attending Meeting (fill out form on next page;  Commercial Workshops (free) (check of CW01: Perimeter Institute: Hands-On CW02: Perimeter Institute: Spicing Up CW03: Perimeter Institute: Curved Spic CW04: Perimeter Institute: Measuring CW05: Expert TA  CW06: Pearson author Paul Hewitt | \$75 plus fer<br>swrite in fee)<br>cone)<br>Wave-Particle<br>p Classical Phace-time in the<br>Planck's Con | e Duality ysics le Classroom | _                  |
| CW07: WebAssign's Online Homework Special Events (optional)   | rk   |                              |                    |
|   |  |                              |                    |
|   | Persons  | _                            | (free)             |
| Monday, Jan. 6, 7–8 a.m.  |  | 20                           | ¢                  |
| 2. Spouses/Guest Gathering # Sunday, Jan. 5, 10–11:30 a   | Persons @ \$   | 29 ea                        | \$                 |
| 3. Retired Physicists' Luncheon   |  | \$30 ea                      | \$                 |
| Monday, Jan 6, 12:30–1:30   |  | 557 ca                       | Ψ                  |
| 4. H.S. Physics Teachers' Day Luncheo   | •  | 0 \$35 ea                    | \$                 |
| Sunday, Jan. 5, 12:30–2 p.  |  | φ33 <b>cu</b>                | _ Ψ                |
| ☐ 5. Early Career Professionals Speed Ne  |  | nt # Persons                 | (free)             |
| Sunday, Jan. 5, 12:30–2 p.  |  |                              |                    |
| ☐ 6. TYC Breakfast # Pe   | ersons @ \$30  | ea                           | \$                 |
| ☐ 7. Multicultural Luncheon # Persons   | @ \$20 aa #  |                              | \$                 |
| Monday, Jan. 6, 12:30–1:3   |  |                              | Ψ                  |
| •   | Persons @ \$2  | 0 ea                         | \$                 |
| Monday, Jan 6, 12–2 p.m.  |  |                              |                    |
|   | a.m. #   |                              | \$                 |
| \$75 Gift Card: 3:45  |  |                              | \$                 |
| ☐ 10. Monday Raffles Kindle: 3:15 p.  |  |                              | \$                 |
| \$75 Gift Card: 10:15 a.  |  |                              | \$                 |
|   |  |                              |                    |
| Total Face  |  |                              |                    |
| Total Fees  |  |                              |                    |
| Registration Fee  |  |                              | \$                 |
| Workshop Fee(s)   |  |                              | \$                 |
| Special Events Fee(s)   |  |                              | \$                 |
| Administrative Fee  |  |                              | \$ 10              |
|   |  |                              | : \$               |
| Make checks payable to AAPT.  | No credit (  | ards accer                   | oted.              |

Purchase Order No.\_

Payment must be received in the AAPT National Office no later than December 13, 2013.



## 2014 AAPT Winter Meeting-Workshop Registration Form

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Registration for workshops is first-come, first-served, so register early to secure a place in the workshop of your choice. Please use a checkmark for your initial choices, then indicate subsequent choices (in case first choice is unavailable) numerically. Any forms received after December 13, 2013, may not be processed in the AAPT National Office. You will need to register online or onsite with full payment. Workshop abstracts can be found online at <a href="https://www.aapt.org/Conferences/sm2013/workshops.cfm">www.aapt.org/Conferences/sm2013/workshops.cfm</a>. (Note: There will be an additional \$10 charge for registering for workshops onsite. There will be no charge for changes or additions.)

## NAME

(Use checkmarks for 1st choices, then rank subsequent choices numerically . . . 1, 2, 3, etc.) (All workshops will be held at a local university)

| Wor  | kshops, Saturday, Jan. 4  | Time                 |      |       | Fees     |  |  |
|------|---|----------------------|------|-------|----------|--|--|
|      |   |                      |      | Mem.  | Non-Mem. |  |  |
| W01  | Research-based Alternatives to Traditional Physics Problems                   | 8:00 a.m.–5:00 p.m.  | W01: | \$80  | \$105 —  |  |  |
| W02  | Holistic Physics Instruction  | 8:00 a.m5:00 p.m.    | W02: | \$115 | \$140 —  |  |  |
| W03  | Physics and Astronomy by Design   |                      | W03: | \$105 | \$130    |  |  |
| W04  | Reformed Teaching Observation Protocol (RTOP)                                 |                      | W04: | \$80  | \$105    |  |  |
| W05  | PTRA Workshop: Magnets and Magnetism  | 8:00 a.m.–5:00 p.m.  | W05: | \$90  | \$115    |  |  |
| W06  | Teaching Science with LEGO Mindstorms: FIRST Steps and Beyond                 | 8:00 a.m.–5:00 p.m.  | W06: | \$90  | \$115    |  |  |
| W07  | Inquiry-based Learning Strategies that Support the New AP Physics 1&2 Courses | 8:00 a.m.–5:00 p.m.  | W07: | \$100 | \$125    |  |  |
| W08  | Ring Flinger Make-n-Take  | 8:00 a.m.–12:00 p.m. | W08: | \$185 | \$210    |  |  |
| W09  | TIPERs in the High School Classroom   | 8:00 a.m.–12:00 p.m. | W09: | \$65  | \$90     |  |  |
| W10  | Laser and Light, More from LaserFest  | 8:00 a.m.–12:00 p.m. | W10: | \$100 | \$125    |  |  |
| W11  | A Potpourri of Simulation   | -                    | W11: | \$60  | \$85     |  |  |
| W12  | Using ComPadre  |                      | W12: | \$60  | \$85     |  |  |
| W13  | Sketch N' Etch  |                      | W13: | \$80  | \$105    |  |  |
| W14  | Ben Franklin is my Lab Partner  | 1:00 p.m.–5:00 p.m.  | W14: |       | \$97     |  |  |
| W15  | Implementation: Physics for Life and Health Sciences                          | 1:00 p.m.–5:00 p.m.  | W15: | \$65  | \$90     |  |  |
| W16  | Distance and Remote Labs  |                      | W16: | \$60  | \$85     |  |  |
| W17  | GPS and Relativity  | 1:00 p.m.–5:00 p.m.  | W17: | \$110 | \$135    |  |  |
| Worl | kshops, Sunday, Jan. 5  | Time                 |      | Fees  | ;        |  |  |
| W19  | A Kaleidoscope of Great Online Tools for Teaching Physics                     | 8:00 a.m.–12:00 p.m. | W19: | \$62  | \$87     |  |  |
| W20  | Using Small Remote Radio Telescopes   |                      | W20: | \$60  | \$85     |  |  |
| W21  | In Home Low-cost Labs   | *                    | W21: | \$75  | \$100    |  |  |
| W22  | Using Invention to Promote Mathematical Thinking                              | *                    | W22: | \$62  | \$87     |  |  |
| W23  | Activities for Engaging Girls in Physical Science                             |                      | W23: | \$60  | \$85     |  |  |
| W24  | iPhone and iPad App Development   |                      | W24: | \$70  | \$95     |  |  |
| W25  | Laboratories for Measuring Fundamental Constants                              |                      | W25: | \$60  | \$85     |  |  |
| W26  | New RTP and ILD Tools and Curricula: Video Analysis, Clickers and E&M Labs.   |                      | W26: | \$75  | \$100    |  |  |
| W27  | Engaging Astronomy Students with Lecture Tutorials                            |                      | W27: | \$60  | \$85     |  |  |
| T01  | Electrostatics from Gilbert to Volta  |                      | T01: | \$50  | \$75     |  |  |
| T02  | APEX Professional Development and Recruitment                                 |                      | T02: | \$50  | \$75     |  |  |
| T03  | Getting Started in Outreach   |                      | T03: | \$50  | \$75     |  |  |
| T04  | Selling Physics as a Major  |                      | T04: | \$125 | \$150    |  |  |