

# High School Physics Teacher's Day Registration Form for First-Time AAPT Meeting Attendees

Sunday, Jan. 10, 2016 • Hyatt Regency New Orleans

## 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 \_\_\_\_\_

## 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 <u>yes</u> <u>no</u>               | (Free to participants) |
| Guest Fee \$82 (Includes registration & lunch)         | \$ _____               |
| Children \$72 (Includes registration & lunch)          | \$ _____               |
| I will attend First-Timer's Event <u>yes</u> <u>no</u> | (free)                 |
| Sony Smartwatch Raffle # _____ @ \$2 ea.               | \$ _____               |
| \$100 Amex Card Raffle # _____ @ \$2 ea.               | \$ _____               |

**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 **\$30** processing fee for all canceled registrations.

\_\_\_ Member No.    \_\_\_ Non-Member

## Registration fees

### How to Register:

Mail form to AAPT Programs & Conferences, One Physics Ellipse, College Park, MD 20740  
 Fax form to 301-209-0845, or email to programs@aapt.org    Questions: Call 301-209-3340

Name: (please print clearly): \_\_\_\_\_  
 School Name: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_  
 Email: \_\_\_\_\_  
 Phone: \_\_\_\_\_ Cell: \_\_\_\_\_ Fax: \_\_\_\_\_

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

WORKSHOP # and Fee: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_ Visa    \_\_\_ MasterCard    \_\_\_ Discover    \_\_\_ Am. Express

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

Account Number: \_\_\_\_\_ Exp. Date: \_\_\_\_\_

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

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

## Workshops – Saturday, Jan. 9

|     |  |                      | <b>Mem.</b> | <b>Non-Mem.</b> |
|-----|--|----------------------|-------------|-----------------|
| W01 | Research-based Alternatives to Traditional Physics Problems.....                         | 8:00 a.m.–5:00 p.m.  | W01:        | \$80 \$105      |
| W02 | Submitting Successful Proposals to the NSF IUSE Program .....                            | 8:00 a.m.–12:00 p.m. | W02:        | \$60 \$85       |
| W03 | Ramps and Bungee Cords: Bringing It Together .....                                       | 8:00 a.m.–12:00 p.m. | W03:        | \$60 \$85       |
| W04 | Creating Physics Simulations Using HTML5, Part 1: Introduction for Beginners .....       | 8:00 a.m.–12:00 p.m. | W04:        | \$70 \$95       |
| W05 | Using 3D Printing and Open Source Software to Motivate Self-directed Learning.....       | 8:00 a.m.–12:00 p.m. | W05:        | \$60 \$85       |
| W06 | Digital Astronomical Spectroscopy .....  | 8:00 a.m.–12:00 p.m. | W06:        | \$65 \$90       |
| W07 | Faraday Train and Other Faraday Demos Make-and-Take .....                                | 8:00 a.m.–12:00 p.m. | W07:        | \$90 \$115      |
| W08 | Ringflinger Make-and-Take .....  | 8:00 a.m.–12:00 p.m. | W08:        | \$280 \$305     |
| W09 | LEGO Robotics .....  | 8:00 a.m.–12:00 p.m. | W09:        | \$70 \$95       |
| W10 | Fun & Engaging Labs.....   | 8:00 a.m.–12:00 p.m. | W10:        | \$60 \$85       |
| W11 | Pedagogical Content Knowledge in Physics Teaching .....                                  | 8:00 a.m.–12:00 p.m. | W11:        | \$75 \$100      |
| W12 | Teaching Introductory Astronomy Using Quantitative Reasoning Activities .....            | 8:00 a.m.–12:00 p.m. | W12:        | \$60 \$85       |
| W13 | Active Learning in College Meteorology 101 Courses.....                                  | 1:00 p.m.–5:00 p.m.  | W13:        | \$60 \$85       |
| W14 | Introductory Physics for Life Science: Curricular Resources and Activities.....          | 1:00 p.m.–5:00 p.m.  | W14:        | \$70 \$95       |
| W15 | Creating Physics Simulations in HTML5, Part 2: Intermediate Level .....                  | 1:00 p.m.–5:00 p.m.  | W15:        | \$70 \$95       |
| W16 | Low-Cost, At-Home Labs for School-based or Online Courses.....                           | 1:00 p.m.–5:00 p.m.  | W16:        | \$85 \$110      |
| W17 | How to Organize a Summer Program for Girls.....  | 1:00 p.m.–5:00 p.m.  | W17:        | \$70 \$95       |
| W18 | Capitalize the P in physics: Drop Tower Physics.....                                     | 1:00 p.m.–5:00 p.m.  | W18:        | \$60 \$85       |
| W19 | Changing How Students Learn in Gateway Physics Courses .....                             | 1:00 p.m.–5:00 p.m.  | W19:        | \$60 \$85       |
| W20 | Making Learning Visible Through NextGenPET: From Elementary to Undergraduates.....       | 1:00 p.m.–5:00 p.m.  | W20:        | \$65 \$90       |
| W21 | Examining the Relationships Among Intuition, Reasoning, & Conceptual Understanding ..... | 1:00 p.m.–5:00 p.m.  | W21:        | \$60 \$85       |
| W32 | Projects and Practices in Physics – Inquiry-based Computational Modeling.....            | 1:00 p.m.–5:00 p.m.  | W32:        | \$70 \$95       |

## Workshops – Sunday, Jan. 10

|     |   |                      |      |             |
|-----|---|----------------------|------|-------------|
| W22 | Slingshot Physics .....   | 8:00 a.m.–12:00 p.m. | W22: | \$60 \$85   |
| W23 | Fun, Engaging, and Effective Labs and Demos in Mechanics and Optics .....                   | 8:00 a.m.–12:00 p.m. | W23: | \$75 \$100  |
| W24 | Engaging TYC Students in Astronomical Inquiry.....  | 8:00 a.m.–12:00 p.m. | W24: | \$60 \$85   |
| W25 | The Physics of Chemistry.....   | 8:00 a.m.–12:00 p.m. | W25: | \$85 \$110  |
| W26 | The Menu of Physics Pedagogies: How To Choose – Or Do You Have To?.....                     | 8:00 a.m.–12:00 p.m. | W26: | \$135 \$160 |
| W27 | Making Physics Accessible to Students with Different Abilities Using iPads, 3D Worlds ..... | 8:00 a.m.–12:00 p.m. | W27: | \$60 \$85   |
| W28 | Activities for Teaching About Climate Change.....   | 8:00 a.m.–12:00 p.m. | W28: | \$60 \$85   |
| W29 | Supporting Diversity Efforts Through Collaborations, Administrative Support.....            | 8:00 a.m.–12:00 p.m. | W29: | \$120 \$145 |
| W30 | Integrating Computation into Undergraduate Physics.....                                     | 8:00 a.m.–12:00 p.m. | W30: | \$20 \$45   |
| W31 | Engaging Students Using an Academically Focused Social Media Platform.....                  | 8:00 a.m.–12:00 p.m. | W31: | \$60 \$85   |
| T02 | Teaching Mathematical Methods with Active Learning Exercises .....                          | 9:00 a.m.–11:00 a.m. | T02: | \$60 \$85   |
| T03 | Electrostatics from Gilbert to Volta .....  | 9:00 a.m.–11:00 a.m. | T03: | \$60 \$85   |
| T04 | Using Children's Literature to Teach Physics: Storybooks, Graphic Novels, Simpsons.....     | 9:00 a.m.–11:00 a.m. | T04: | \$60 \$85   |