

AAPT Exhibitor Information

American Association of Physics Teachers

Booths #301, 303, 305
One Physics Ellipse
College Park, MD 20740
301-209-3300
rrosier@aapt.org
www.aapt.org

Welcome to Portland! Join us at the AAPT booth and spin the wheel for your chance to win some awesome prizes! We'll have a large selection of educational resources available to meet the needs of everyone from students to faculty. Pick up brochures on some of AAPT's leading education programs such as PTRA and the U.S. Physics Team. Find out about some of our fun online physics demos and lessons from ComPADRE (**Booth #305**). Check out the latest and greatest items from the Physics Store catalog including publications, AAPT-branded merchandise, especially our new t-shirts, and as always, a limited collection of Member-Only items. Items will be available for purchase at the Booth and many at a significant savings. Lastly, do not forget to get your ticket for the Great Book Giveaway!

American Physical Society

Booths #201, 203
One Physics Ellipse
College Park, MD 20740
301-209-3297
khatib@aps.org
www.aps.org

The American Physical Society has resources for every physics educator! Faculty can learn about APS education and diversity programs. Teachers can register for our middle school science adventure, adopt physicists for your high school class, learn about minority scholarships, pick up free posters, and much more.

American 3B Scientific

Booth #304
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Tucker, GA 30084
678-405-5606
anna.wittig@a3bs.com
www.A3BS.com

Visit 3B Scientific's Booth (#304) for innovative physics products designed to inspire students, release their creative spirits, and challenge their critical thinking skills. Come check out our STEM focused experiments, alternative energy products, and 3B's unrivaled line of Teltron® electron tubes and atomic spin resonance devices. Go one step further... and find what you're looking for!

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Arbor Scientific shares the same passion for physics as you, and has for over 25 years. We love finding all the gadgets, lab equipment, and toys that will help you get your students excited about learning physics. Whether you're a veteran educator or just starting out as a science teacher, we have loads of cool tools to help you feel confident in what you're teaching!

A.U. Physics Enterprises

Booth #205
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Physics Enterprises designs and manufactures high-quality teaching equipment for science classes. Our products are mainly represented by Vernier Software & Technology, PASCO scientific, VWR, American 3B Scientific, and TEL-Atomic. Visit our Booth to see our latest projects and share your ideas of what your class needs. More information on www.physicsenterprises.com.

Derby Magic

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Engineering & Scientific Services (ESS) develops Scientific Modeling, SciMOD. SciMOD is a science-oriented, math-based, full-featured application. It could be thought of being a crossover between a math app, FEM program, database access tool and the most intuitive widget- or visual-programming module imaginable. Think of it as an "all-in-one" scientific application whose purpose is to bring the best solving techniques to every scientist or engineer at the most affordable price!

Expert TA

Booth #401
624 South Boston Avenue, Suite 220
Tulsa, OK 74119
877-572-0734
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www.theexpertta.com

The Expert TA is an online homework and tutorial system for introductory physics courses. Expert TA's proprietary math engine performs partial credit grading of the most complex problems. It analyzes the steps used to solve equations, identifies detailed mistakes, and deducts the appropriate points. This method allows instructors to accurately evaluate the mastery of student knowledge and provides students with consistent grading and quality feedback on their work. Stop by Booth 401 for a demonstration.

Klinger Educational Products Corp.

Booth #306
112-19 14th Road
College Point, NY 11356
718-461-1822
klinger_ed@prodigy.net
www.KlingerEducational.com

Klinger Educational will be exhibiting the LEYBOLD X-ray machine and Tomography module. Both now have an available locking, storage drawer that fits directly under the main units. Also featured is the HD upgrade for the Goniometer, enabling a 10X higher resolution achieved through narrower apertures and software. An Electron Diffraction tube will be on display as well as a Franck-Hertz Ne experiment.

Laser Classroom

Booth #104
1419 Main Street NE
Minneapolis, MN 55413
763-234-0692
colette@laserclassroom.com
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Laser Classroom creates resources, partnerships, and products to make teaching and learning about Light, Lasers, and Optics clear, easy, and affordable. Home of LASER Blox, the stackable laser designed just for teaching and learning.

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Perimeter Institute for Theoretical Physics

Booth #210
31 Caroline Street N.
Waterloo, ONT Canada N2L 2Y5
519-569-7600
twilliams@perimeterinstitute.ca
www.perimeterinstitute.ca

Perimeter Institute for Theoretical Physics is an independent, non-profit charity, research institute whose mission is to make breakthroughs in our understanding of our universe and the forces that govern it. Such breakthroughs drive advances across the sciences and the development of transformative new technologies. Located in Waterloo, Ontario, Canada, Perimeter also provides a wide array of research, training, and educational outreach activities to nurture scientific talent and share the importance of discovery and innovation.

Physics2000.com

Booth #213
29 Moose Mt. Lodge Road
Etna, NH 03750
603-643-2877
lish.huggins@dartmouth.edu
www.physics2000.com

Vacuum energy (dark energy) and inflation is the subject of our four papers to be published in *The Physics Teacher* magazine this fall. We are modifying the Physics2000 textbook to include this material in the new Physics2013 introductory text. We are doing this by including an optional astronomy section to provide a background for the new cosmology equivalent to the historical background that textbooks provide for Newtonian mechanics. Our workshop will be on the new structure for the Physics2013 text.

Piazza

Booth #208
541 Cowper Street, Suite D
Palo Alto, CA 94301
650-485-1150
josh@piazza.com
www.piazza.com

Piazza is a free online Q&A platform built to replace less effective discussion boards commonly adopted in classrooms. It was made popular by widespread use at Stanford, Harvard, Princeton, and MIT. Today it is used by hundreds of thousands of students every term. Piazza saves you time and improves your interactions with students.

Quality Educational Demonstrations

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Society of Physics Students

Booth #300
One Physics Ellipse
College Park, MD 20740
301-209-3008
lydia@aip.org
www.spsnational.org

The Society of Physics Students (SPS), along with Sigma Pi Sigma, the national physics honor society, are chapter-based organizations housed within the American Institute of Physics. SPS strives to serve all physics students and their mentors with a chapter in nearly every physics program in the country and several international chapters. Sigma Pi Sigma, with nearly 80,000 historical members, recognizes high achievement among outstanding students and physics professionals. SPS and Sigma Pi Sigma programs demonstrate a long-term commitment to service both within the physics community and throughout society as a whole through outreach and public engagement. Partnerships with AIP member societies introduce SPS student members to the professional culture of physics and convey the importance of participation in a professional society. SPS and Sigma Pi Sigma support scholarships, research awards, physics project awards, outreach/service awards for undergraduate students, and a Summer Science Research Clearinghouse, where thousands of summer research positions are listed (www.the-nucleus-org).

Spectrum Techniques

Booth #221

106 Union Valley Road
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Texas Instruments

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The Science Source

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The Science Source, the Maine-based manufacturer enhancing science literacy by creating and providing high-quality, high-value science teaching materials, is featuring its Physics lines DAEDALON (Booth #209) and PHYWE

(Booth #211). The Science Source is the U.S. distributor for PHYWE, the 100+ year science education apparatus manufacturer in Gottingen, a German town with rich scientific knowledge and culture and an impressive history of Physics Nobel laureates.

Vernier Software & Technology

Booths #100, 102

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W.H. Freeman & Company Publishers works with instructors, authors, and students to enhance the physics teaching and learning experience. We proudly announce the publication of *College Physics, 1/e* (Roger Freedman, Todd Ruskell, Philip Kesten, David Tauck) and the release of smartPhysics 3.0 in Summer 2013. Visit Booth No. 215 or www.whfreeman.com/physics to learn more.

Ward's Science

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Since 1997, WebAssign has been the online homework system of choice for the introductory physics lecture courses. Through our partnership with every major publisher, WebAssign supports over 160 introductory physics textbooks with precoded, assignable questions and advanced learning tools. In addition to textbook-specific questions and resources, WebAssign has question collections authored by experienced physics educators, designed to strengthen student skills and conceptual understanding. Learn about research-based additional resource collections (free to WebAssign adopters) that stress physics education research principles. We will also introduce a new question collection that features both feedback designed to address student misconceptions; tutorials designed to step students through complex problems and concepts; and a personal study plan designed to improve students' prerequisite math skills.

Wiley

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SHARED BOOK EXHIBIT

Rutgers University Press:

- *Physics, The First Science*, by Peter Lindenfeld and Suzanne White Brahmia