

The American Association of Physics Teachers

Across 75 years of leadership and service, AAPT has aimed to advance physics through teaching at all levels. Building on our many successes, we are expanding the reach and effectiveness of our programs and services within the global community.

WE ARE FIRST AND FOREMOST A COMMUNITY OF PROFESSIONALS.

Our members share a great passion for physics and a strong commitment to teaching. We embrace the broadest, most inclusive definition of teaching, which includes undergraduate research. We share the perspective that effective physics teaching is the ability to inform, engage, and inspire students of diverse backgrounds and interests in the study of physics.

We support physics for the love of it, for its ability to stretch our minds and our appreciation of the world around us, and for its inherent value as a basic science that supports advanced career preparation and the greater good.

A Greater **Impact** on **Physics** Education

AAPT IS A VALUED MEMBERSHIP SOCIETY.

With a current membership nearing 10,500, we are the leading resource and advocate for physics educators. Through our publications, we facilitate a dialogue and the dissemination of new ideas about the teaching of physics, general practices and happenings in physics education, and conditions that influence our practice as physics educators.

Through our two annual national meetings, we bring together physics faculty and students from high schools, colleges and universities to share the latest techniques in physics teaching. We also hold workshops and symposia on a variety of topics for diverse audiences.

Our signature programs cover all facets of physics education. They include in-service teacher programs, collaborative efforts in teacher education, digital resource development, and professional development workshops.

**Advancing physics
through teaching
is our mission.**

AAPT IS AN ADVOCACY MOVEMENT OF VALUE.

Through representation and public forums, we play a leading role in the arena of public policy on behalf of our members and all physics practitioners—and in support of the cause of physics education.

AAPT reaches across the spectrum of physics education, from kindergarten through research universities. Among our members are pre-college teachers at various levels; students and faculty at two-year colleges, liberal arts colleges, and comprehensive and research universities; and foundations and national labs.

Our programs serve diverse constituencies. We are proud of these communities and we look for ways to create stronger synergy among its members and energize interactions among them. AAPT is uniquely positioned to address their diverse needs and speak on their behalf.

Our members are involved through meaningful committee work and content development in shaping physics education nationally.

**Fulfilling it
is our obligation.**

PUBLICATIONS

American Journal of Physics—A peer-reviewed journal on the teaching and cultural aspects of physical science.

NEW *Interactions Across Physics and Education*—A general-interest magazine on physics education.

The Physics Teacher—A peer-reviewed journal/magazine on introductory physics at the pre-college and university levels.

AAPT NEWS—A monthly, web-based digest of the latest physics and education news of interest to the AAPT community.

RESOURCES

Physical Science Resource Center—A comprehensive electronic collection of teaching materials and ideas.

ComPADRE—Digital library resources for physics and astronomy education (in collaboration with APS, AAS, and AIP)—funded in part by the National Science Foundation (NSF).

Study Reports: SPIN-UP/SPIN-UP-TYC—A series of guidelines for physics departments at high schools, colleges, and universities.

PROGRAMS

PhysTEC—Physics Teacher Education Coalition (in collaboration with APS and AIP)—funded in part by NSF and the U.S. Department of Education.

Workshops for New Faculty in Physics & Astronomy—Workshops in collaboration with APS and AAS; funded in part by NSF.

InterAmerican Conference—A conference for physics educators in North, Central, and South America.

SERVICES

AAPT-PTRA—A comprehensive in-service teaching program led by specially certified master teachers, the Physics Teaching Resource Agents—funded in part by NSF.

STUDENT OUTREACH

The U.S. Physics Contests and International Olympiad Team—Administered by AAPT on behalf of the American Institute of Physics and its member societies.

Sponsorship of the Intel International Science and Engineering Fair, Team America Rocketry Challenge, and the Science Talent Show.

NATIONAL MEETINGS

Winter and Summer meetings with plenary and award lectures, invited and contributed sessions, exhibits, workshops, and more.

Topical conferences on the teaching of specific physics curricula—Introductory calculus-based physics, general relativity, and computational physics, among others.

NEW Symposium on Physics Education (at AAPT winter meetings).

Photo courtesy: Dick Peterson, Physics Department, Bethel University.

www.aapt.org



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Commitment to Teaching

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