

# Quick Guide to AIP Products and Services

## SCIENCE COMMUNICATION

### INSIDE SCIENCE • [insidescience.org](http://insidescience.org)

Inside Science offers the science-curious mind accessible articles, videos, guest columns, and blog posts revealing science's connection to everyday life and the world around us.

- > *Inside Science News Service* publishes accurate and engaging news articles on a comprehensive range of topics in science and allied fields.
- > *Inside Science Television* produces 90-second news segments on the latest research designed to fit seamlessly into local newscasts via syndication and for the web.
- > *Inside Science Minds* features guest columns showcasing interesting ideas from members of the science community.
- > *Inside Science Currents* is the editors' blog, featuring musings on science in pop culture, sports, research headlines and everything in between.

## MEDIA SERVICES

### [aip.org/aip/news.html](http://aip.org/aip/news.html)

AIP's team of science writers and media outreach experts provide strategic planning, media training, media campaigns, public relations for special events and press conferences, press room management and videography services, to promote new scientific discoveries. Efforts are focused on publicizing groundbreaking research presented at national and international scientific meetings or published in peer-reviewed journals. Services are provided to AIP, AIP Publishing, AIP Member and Affiliated Societies and outside nonprofit organizations.

## ADVOCACY

### SCIENCE POLICY ADVOCACY

#### [www.aip.org/gov/](http://www.aip.org/gov/)

AIP provides guidance on communicating with policy makers and elected officials, and works closely with the Member Societies on a range of science policy and funding issues.

### SCIENCE POLICY FELLOWSHIPS

#### [aip.org/gov/fellowships.html](http://aip.org/gov/fellowships.html)

Sponsored scientists spend one or two years in Washington, DC to inform the policy making process with scientific and technical expertise and to raise

## American Institute of Physics

Delivering a complete range of programs and services to the scientific community AIP offers a broad range of resources in support of students, researchers, scientists in industry, historians, policy makers, media outlets, and the public. These programs serve AIP's constituent groups at every point at which their interests intersect the physics community. We reach out around the globe to promote physics and its allied fields.

awareness of the value of scientific input. Fellows work in Congress or the US State Department.

## EDUCATION

### SOCIETY OF PHYSICS STUDENTS

#### [spsnational.org](http://spsnational.org)

SPS is the professional society for physics undergraduates and their mentors, focused on enhancing the overall undergraduate experience in physics. With 5,000 members and over 700 local chapters, SPS helps students transform themselves into contributing members of the professional community.

### SIGMA PI SIGMA • [sigmapisigma.org](http://sigmapisigma.org)

Sigma Pi Sigma honors outstanding scholarship and promotes interest in physics, with lifetime membership upon induction. With 85,000 historical members, Sigma Pi Sigma fosters alumni connections and encourages an attitude of continued service in the broad physics community and the public.

### STATISTICAL RESEARCH CENTER

#### [aip.org/statistics](http://aip.org/statistics)

The center collects and disseminates reliable and timely data on education and employment in physics and related fields. Data is published in the areas of enrollment, degrees, demographics, representation of women and minorities, employment by economic sector, and salary information for bachelor's, master's and PhD degree holders. The center also provides survey expertise and contracts with Member Societies and outside organizations to carry out targeted studies.

### GRADSCHOOLSHOPPER.COM

#### [gradschoolshopper.com](http://gradschoolshopper.com)

This directory provides guidance on applying to graduate school, one-stop shopping for students seeking programs in physics, astronomy and allied sciences, and a recruitment forum for graduate schools.

## HISTORY

### EMILIO SEGRÈ VISUAL ARCHIVES

#### [photos.aip.org](http://photos.aip.org)

View a collection of more than 30,000 historical photographs, slides, lithographs, engravings, and other visual materials, focusing on physicists and astronomers of the 20th century.

### NIELS BOHR LIBRARY &

#### ARCHIVES • [aip.org/history/nbl](http://aip.org/history/nbl)

Explore the matchless collection of printed works of historical importance, including monographs, textbooks, laboratory manuals, instrument catalogs, and published correspondence (14,000 titles in all), as well as archival collections including historical records of AIP and Member Societies, oral history interviews with leading physicists, and biographical and institutional histories.

### ONLINE HISTORY EXHIBITS

#### [aip.org/history/exhibits.html](http://aip.org/history/exhibits.html)

Learn about critical issues and luminary figures—both current and past—including Marie Curie, Albert Einstein, global warming, and the history of cosmology.

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## CAREERS

### INDUSTRIAL OUTREACH

[aip.org/industry](http://aip.org/industry)

AIP connects physicists working in industry and academia through topical Industrial Physics Forums and other networking opportunities. This program addresses the technical and workforce needs of industry and exposes students to a broad range of career options.

### PHYSICS TODAY JOBS

[www.physicstoday.org/jobs](http://www.physicstoday.org/jobs)

Post your job or resume with Physics Today Jobs, a niche online jobsite for physical scientists, engineers, and computing professionals. If you are looking for job candidates, reach 125,000 researchers and experienced top-level managers. If you are seeking a job, search over 200 jobs posted monthly. *Physics Today* is a partner in the AIP Career Network, a collection of online job sites. Other partners include AAPM, AAPT, APS, AVS Science and Technology, IEEE Computer Society, and SPS.

### CAREER PATHWAYS PROJECT

This NSF-funded effort is aimed at understanding and developing a set of robust resources for students, faculty and programs that detail best practices to prepare physics bachelor's degree recipients to enter the STEM workforce.

## PUBLICATIONS

**PHYSICS TODAY** • [physicstoday.org](http://physicstoday.org)

AIP's flagship publication delivers original articles and timely news on groundbreaking research in physics and related sciences. *PT* has a robust web presence, uniting scientists in virtually every scientific discipline. (monthly)

**FYI—THE AIP BULLETIN OF SCIENCE POLICY NEWS**

[aip.org/fyi](http://aip.org/fyi)

For more than two decades AIP's highly-regarded science policy bulletin has provided the physics, astronomy, and science education communities with timely, unbiased information on policy and budget developments in Washington. Free, e-subscription. (twice or more/week)

**FOCUS ON** • [aip.org/statistics](http://aip.org/statistics)

Highlights from survey findings are encapsulated in these brief reports. Consult focus on for the latest physics and astronomy education, employment and demographic data. (once or twice/month)

**AIP MATTERS**

[aip.org/aip/aipmatters](http://aip.org/aip/aipmatters)

AIP's newsletter summarizes the latest news and accomplishments of the Institute's publishing operations, outreach programs and services. Feature articles are of broader interest to AIP stakeholders and spotlight Member Society news and events. Free, e-subscription. (weekly)

**HISTORY OF PHYSICS**

**NEWSLETTER** • [aip.org/history/newsletter/archive.html](http://aip.org/history/newsletter/archive.html)

Subscribers learn about the AIP's work in the history of physics and allied fields, and about other historical resources. (quarterly)

**COMPUTING IN SCIENCE & ENGINEERING** • [cise.aip.org](http://cise.aip.org)

Copublished with the IEEE Computer Society. (bimonthly)

**THE SPS OBSERVER** • [spsobserver.org](http://spsobserver.org)

This Society of Physics Students' magazine, published quarterly, is geared towards the professional development of its undergraduate members, and linking them with the AIP Member Societies and physics community. (quarterly)

**RADIATIONS**

[sigmapisigma.org/radiations](http://sigmapisigma.org/radiations)

A magazine for members of the Sigma Pi Sigma physics honor society, *Radiations* strives to keep a diverse alumni base of many ages and fields connected to the physics community. (biannually)

**JOURNAL OF UNDERGRADUATE RESEARCH IN PHYSICS (JURP)**

[jurp.org](http://jurp.org)

The only publication of its kind, *JURP* highlights faculty-mentored physics research conducted by undergraduate students. This free, open-access, online journal is peer reviewed and introduces students to the nature of professional publication.

## AWARDS

AIP raises public awareness about the value of the physical sciences to society and human welfare through its rich awards program.

- > **Karl Compton Medal for Leadership in Physics** for statesmanship in science.
- > **Tate Medal for International Leadership in Physics** for service to the profession of physics on an International level.
- > **Meggens Award** for improving high school physics.
- > **Andrew Gemant Award** for contributions to the cultural, artistic, or humanistic dimension of physics.
- > **Science Communication Awards** in the categories: Science Writing, Writing for Children, and New Media.
- > **Prize for Industrial Applications of Physics**, sponsored by General Motors Corporation.
- > **Dannie Heineman Prize for Mathematical Physics**, sponsored jointly with APS.
- > **Dannie Heineman Prize for Astrophysics**, sponsored jointly with AAS.
- > **Abraham Pais Award for the History of Physics**, sponsored jointly with APS.
- > **Fluid Dynamics Prize**, sponsored jointly with the APS Division of Fluid Dynamics.
- > **Undergraduate student awards**: internships, scholarships, travel grants, outreach awards, research grants.

AIP owns AIP Publishing LLC, a scholarly publisher in the physical and related sciences, providing the global science community with a comprehensive collection of highly cited peer-reviewed scientific information.