

International Travel Grant Award Program



- Established to promote collaborations between APS members and physicists in developing countries.
- Recipients receive \$2,000 for travel and lodging for international travel while visiting a collaborator for at least one month.
- At least one partner in the collaboration must be a member of one of the APS units that support the program. (FIP, DNP, DPP, DPF, DPB)
- Two competitive cycles each year. Fourteen awards granted so far.
- Collaborators have been from Brazil (3), Argentina, Uzbekistan, Armenia, Thailand, Cameroon, India, Korea

Marshak Lectureship Program



- Provides travel support for physicists from developing nations who are invited to speak at APS meetings. APS units invited to nominate speakers once a year.
- Zorah Ben Ladkhar (Tunisia) “*Scientists in Developing Countries: is there an effective way to support meaningful research?*”
- Alberto Santoro (Brazil) “*Closing the Digital Divide in Latin America*”

Journal Distribution



- **Free Online Access for institutions in Sub-Saharan Africa.** Available through International Network for the Availability of Scientific Publications (INASP) Program for the Enhancement of Research Information (PERI). *Will expand to other developing regions.*
- **APS participates in the ICTP Electronic Journals Delivery Service.** Scientists can receive individual journal articles via email. For scientists in developing countries who do not have access to sufficient bandwidth to download material from internet.
- **APS provides CD-ROM versions of APS journals to ICTP** - for distribution to institutions in developing countries.
- **Iraqi Virtual Science Library** - a digital portal providing Iraqi universities free access to full text articles from scientific and engineering journals.

Journal Distribution (continued)



- **Journal and Book Exchange Program**

The APS Forum on International Physics maintains a list of prospective donors and the books/journals they have available for donation.

- **Consortia**

APS has established multi-institutional agreements or consortia in many countries to help broaden access for institutions that might otherwise be unable to afford access.

Matching Membership Program



- The Matching Membership Program makes APS membership available to physicists in developing countries. There are two categories:
 - Sponsored: Half-price membership available for those who have an individual or institution who will sponsor them and provide payment.
 - Fund: Graduated reduced-cost membership beginning at 20% of the full membership rate in the first year. Applicants may request APS support. In each of the following three years the dues increase by 10%.
- Participation in the program is limited to 6 years in order to accommodate as many physicists as possible.
- Also limited to 1.5% of current APS membership

APS John Wheatley Award



- The American Physical Society's John Wheatley Award is given every other year to honor a physicist who has made contributions to the development of physics in developing countries - *while working in a developing country with local physicists.*
- Recipients have been recognized for work in the following regions:
 - Uzbekistan, Turkey, India
 - Africa
 - Thailand
 - Latin America, China, India
 - Latin America
 - Colombia, South America

Sustainable Development Initiatives



- APS has been involved in projects resulting from the World Conference on Physics and Sustainable Development (Durban, S.A., 2005)
 - Development of workshops for teacher-trainers to help meet needs of students in developing countries.
 - Organization of a Workshop on Local Energy Solutions and Technology for the ECOWAS (Economic Community of West African States - to be held in Ghana in 2008)
 - Workshops to train scientists in developing countries to move research results from the laboratory to commercialization (November 2006 at ICTP and March 2008 at ICTP)

Future Programs Proposed for APS



- Travel Grants for Training

Awards up to \$2,000 to scientists, post-docs, or graduate students from developing countries to participate in training programs (workshops and schools) in the U.S. Grants would augment matching commitments of organizers who would cover registration and local expenses of recipient.

- Special Lecturer Program for South Africa

A proposed program to send prominent U. S. physicists to South Africa to present technical seminars and public lectures targeted at students. The goal is to foster new collaborations, raise public awareness of science, and inspire students to pursue careers in physics.