
Mathematics Opportunities

Project NExT: New Experiences in Teaching

Project NExT (New Experiences in Teaching) is a professional development program for new and recent Ph.D.'s in the mathematical sciences (including pure and applied mathematics, statistics, operations research, and mathematics education). It addresses all aspects of an academic career: improving the teaching and learning of mathematics, engaging in research and scholarship, and participating in professional activities. It also provides the participants with a network of peers and mentors as they assume these responsibilities. Each year about sixty faculty members from colleges and universities throughout the country are selected to participate in a workshop preceding the Mathematical Association of America (MAA) summer meeting, in activities during the summer MAA meetings and the Joint Mathematics Meetings in January, and in an electronic discussion network. Faculty for whom the 2003–2004 academic year will be the first or second year of full-time employment with significant teaching responsibilities at the college or university level are invited to apply to become Project NExT Fellows.

The application deadline is **April 11, 2003**. For more information, see the Project NExT website, <http://archives.math.utk.edu/projnext/>. Project NExT receives major funding from the ExxonMobil Foundation, with additional funding from the Dolciani-Halloran Foundation, the American Mathematical Society, the Educational Advancement Foundation, the American Statistical Association, the Association of Mathematics Teacher Educators, and the Greater MAA Fund.

—Christine Stevens, Project NExT

Women's International Science Collaboration Program

The American Association for the Advancement of Science (AAAS) announces the Women's International Science

Collaboration (WISC) Program. Supported by the National Science Foundation (NSF), this program aims to increase the participation of women in international scientific research through travel awards to locations around the world. The awards are to foster new research partnerships between U.S. scientists and colleagues overseas. *Both male and female scientists are eligible to apply.*

Men and women who have their Ph.D.'s or equivalent research experience are eligible. Graduate students (Ph.D. candidates) are also eligible as long as they will be conducting research in an established Ph.D. program in the United States and will be traveling with their Ph.D. advisors and serving as co-PIs on future proposals. The deadline for applications is **July 15, 2003**.

For further information on fields eligible for funding, please visit the NSF website at <http://www.nsf.gov/> or contact one of the AAAS administrators listed below. The administrators are: for Central and Eastern Europe, and Newly Independent States (NIS) of the former Soviet Union: Curtis Cook, email: ccook@aaas.org, telephone 202-326-7027; for East Asia and Pacific: Suteera Nagavajara, email: snagavaj@aaas.org, telephone 202-326-6496; for Africa, Middle East, Near East, and South Asia: Alan Bornbusch, email: abornbus@aaas.org, telephone 202-326-6651; for the Americas and the Caribbean: Marina Ratchford, email: mratchfo@aaas.org, telephone 202-326-6490.

For further application information and region-specific guidelines, see <http://www.aaas.org/international/wiscnew.shtml>, or contact one of the above administrators or WISC Travel Grant, American Association for the Advancement of Science, Directorate for International Programs, 1200 New York Avenue, NW, Washington, DC 20005.

—From an AAAS announcement

Partners Program for Research in the FSU

For several years the U.S. Department of State has helped support two science centers in Russia and Ukraine. Serving as research project “clearinghouses”, the International

Science and Technology Center (ISTC) in Moscow and the Science and Technology Center in Ukraine (STCU) in Kiev provide former Soviet Union (FSU) weapons scientists the opportunity to redirect their talents to peaceful research. In 1997 the Science Centers introduced the Partners Program, enabling U.S. companies, universities, scientific institutions, and other entities to “partner” with the centers and fund projects at FSU research institutes.

Partners enjoy the benefits and protection of the centers’ infrastructure, including tax and customs exemptions, protection of intellectual property, a legally binding project agreement, and more. Developing projects with FSU colleagues through the Partners Program not only has commercial advantages but also supports the Department of State’s effort to stem the global proliferation of weapons of mass destruction and their delivery vehicles.

Scientists and institutes working in the program are engaged in a broad range of research and development projects, including projects in pure and applied mathematics. Examples of project areas include high-performance computing, turbulent mixing, equation of state modeling, multidimensional grids for adaptive computation, discrete dynamical systems analysis, and studies of plasma instabilities.

To request Partner status, interested organizations need only submit to the Department of State a brief letter providing two or three sentences of basic background information on the Partner applicant and a website address (if available), a short explanation of the prospective Partner’s project-funding plans (if known), and a statement that the Partner applicant accepts the nonproliferation objectives of the center and the terms of the center’s Statute and Agreement. Becoming a Partner costs nothing—Partners incur costs only when they decide to fund a project—and does not obligate the Partner to fund a project at all.

For additional information on science center activities and the Partners Program, visit the websites for ISTC (<http://www.istc.ru/>) or STCU (www.stcu.kiev.ua), call the Department of State at 202-736-7694, or write to: Andy Hood, U.S. Department of State, NP/PTR, Room 2428, 2201 C Street, NW, Washington, DC 20520.

—From a U.S. Department of State announcement

National Academies Internship Program

The Christine Mirzayan Science and Technology Policy Internship Program of the National Academies is designed to engage graduate science, engineering, medical, veterinary, business, and law students in the analysis and creation of science and technology policy and to familiarize them with the interactions of science, technology, and government. As a result, students develop essential skills different from those attained in academia and make the transition from being a graduate student to a professional. There are two programs in 2003: the summer program, June 2 through August 8; and fall, September 8 through November 26.

Applications for the internships are invited from graduate students through postdoctoral scholars in any physical, biological, or social science field or any field of engineering, medicine and health, or veterinary medicine, as well as business, law, education, and other graduate and professional programs. Postdoctoral scholars should have received their Ph.D.’s within the past five years.

The stipend for the 12-week September program is \$5,700 and for the 10-week June program, \$4,800. The internship stipend is to cover all living expenses for the period. In addition, a travel stipend of up to \$500 will be provided.

Deadlines for receipt of materials for the summer program is **March 1, 2003**, and for the fall program, **June 1, 2003**. More information and application forms and instructions can be found on the website <http://www7.nationalacademies.org/internship/index.html> or by contacting The National Academies Christine Mirzayan Science and Technology Policy Internship Program, 500 5th Street, NW, Room 508, Washington, DC 20001; telephone: 202-334-2455; fax: 202-334-1667.

—From a National Academies announcement

Maria Mitchell Women in Science Award

The Maria Mitchell Association offers an annual award to recognize an individual, program, or organization that encourages the advancement of girls and women in studies and careers in science and technology. Maria Mitchell (1818–1889) was the first woman astronomer and first woman astronomy professor in the United States.

The award may be given in the natural and physical sciences, mathematics, engineering, computer science, or technology. The winner will be chosen by a national jury of distinguished educators and scientists and will receive a cash award of \$10,000. Funding for the award has been provided by an anonymous donor.

Guidelines and nomination forms are available from the Association’s website at <http://www.mmo.org/> or by contacting the Maria Mitchell Women in Science Award Committee at the Maria Mitchell Association, 2 Vestal Street, Nantucket, MA 02554; telephone 508-228-9198. Deadline for nominations is **April 30, 2003**.

—From a Maria Mitchell Association announcement