
Mathematics Opportunities

Call for Proposals for NSF Information Technology Research Program

For the second year, the National Science Foundation (NSF) is sponsoring the Information Technology Research (ITR) Program. The program seeks to fund not only fundamental research in information technology (IT) but also new applications of IT in all scientific, engineering, and educational areas, as well as innovative infrastructure to support IT research and education. The NSF welcomes proposals for small, large, or group projects.

The deadline for preproposals for group projects is **November 27-29, 2000**, and full proposals are due **April 9-11, 2001**. The deadline for preproposals for large projects is **December 4-6, 2000**, with full proposals due **April 23-25, 2001**. The deadline for full proposals for small projects is **January 22-24, 2001**. For details see the NSF Web site at <http://www.nsf.gov/cgi-bin/getpub?nsf00126/>.

—NSF announcement

National Research Council Research Associateship Programs

The National Research Council (NRC) is sponsoring the 2001 Postdoctoral and Senior Research Associateship Programs.

The programs are meant to provide opportunities for Ph.D., Sc.D., or M.D. scientists and engineers of unusual promise and ability to perform research at one of more than 120 research laboratories throughout the United States and overseas.

Full-time associateships will be awarded for research in the fields of mathematics, chemistry, earth and atmospheric sciences, engineering, applied sciences and computer science, life and medical sciences, space and planetary sciences, and physics. Most of the laboratories are open to both U.S. and non-U.S. nationals and to both recent doctoral recipients and senior investigators.

Awards are made for one or two years, renewable for a maximum of three years. Annual stipends for recent Ph.D. recipients range from \$30,000 to \$50,000, depending on the sponsoring laboratory; the awards for senior recipients will be higher. Support is also provided for allowable relocation expenses and for limited professional travel during the period of the award.

Awards will be made three times during the year, and applications will be accepted on a continual basis. The deadlines for application materials to be postmarked are **January 15, April 15, and August 15, 2001**. The award recipients will be announced in March-April, July, and November.

For further information and application materials, see the NRC Web site at <http://www4.nationalacademies.org/osep/rap/>, or contact the National Research Council, Associateship Programs (TJ 2114), 2101 Constitution Avenue, NW, Washington, DC 20418; telephone 202-334-2760; fax 202-334-2759; e-mail: rap@nas.edu.

—From an NRC announcement

Summer 2001 Research for U.S. Graduate Students in Science and Engineering

The National Science Foundation (NSF), the National Institutes of Health/Fogarty International Center (NIH/FIC), and the U.S. Department of Agriculture/Agricultural Research Service (USDA/ARS) are cosponsoring a summer research program in 2001 for U.S. graduate students in Japan, Korea, and Taiwan.

The Summer Institute in Japan, the Monbuscho Summer Program, the Summer Institute in Korea, and the Summer Institute in Taiwan provide graduate students in science and engineering with first-hand experience in Japanese, Korean, and Taiwanese research environments, an introduction to the science and science policy infrastructure of the respective countries, and language and cultural training. The primary goals of the programs are to introduce students to Japanese, Korean, and Taiwanese science and engineering in the context of a research laboratory and to initiate personal relationships that will better enable them to collaborate with their counterparts in other countries in the future. The programs will last approximately eight weeks, from mid-June to August. Students may study and work at one of a variety of government, corporate, and university research laboratories, depending on the specific program.

Applicants must be U.S. citizens or permanent residents. They must be enrolled at a U.S. institution in a science or engineering Ph.D. program, in an M.D. program with an interest in biomedical research, or in a master's degree program with at least one full academic year completed at the end of the calendar year of application. They must be pursuing studies in fields of science or engineering that are supported by the NSF, the NIH, or the USDA and that also are represented among the potential host institutions.

International travel costs to and from Japan, Korea, or Taiwan, in-country living costs (accommodations, food, and professional travel), and an allowance of \$2,500 for each participant will be provided.

The deadline for application materials to be postmarked is **December 1, 2000**. All application materials (including forms from the applicant and from those recommending him or her) should be sent to the NSF East Asia and Pacific Program (NSF/EAP), Room 935, Division of International Programs, National Science Foundation, 4201 Wilson Boulevard, Arlington, VA 22230.

Further information and a full description of the summer programs, including a list of potential host institutions and application instructions, are available at the NSF/Tokyo Web site: <http://www.twics.com/~nsftokyo/> (select "Summer Programs" from the opening screen menu bar), or from Larry H. Weber, NSF/EAP; telephone: 703-292-8704; e-mail: lweber@nsf.gov.

—From an NSF announcement

NRC-Ford Foundation Postdoctoral Fellowships for Minorities

The National Research Council (NRC) administers the Ford Foundation Postdoctoral Fellowships for Minorities. This program enables teacher-scholars to engage in postdoctoral research and scholarship in an environment free from the interference of their normal professional duties and helps them to achieve greater recognition in their respective fields and to develop the professional associations that will make them more effective and productive in academic employment.

Approximately thirty postdoctoral fellowships will be awarded for 2001. The total award package for each fellowship is \$40,000, which includes a \$35,000 stipend and a travel and relocation allowance.

Eligible applicants must be U.S. citizens or nationals who are members of one of the following ethnic minority groups: Alaskan Natives (Eskimo or Aleut), Black/African Americans, Mexican Americans/Chicanos/Chicanas, Native American Indians, Native Pacific Islanders (Polynesian or Micronesian), or Puerto Ricans. Applicants are required to have earned a Ph.D. or Sc.D. degree from a U.S. educational institution no earlier than January 8, 1994, and no later than February 28, 2001, in a field supported by this program.

The deadline date for applications is **January 8, 2001**. Awards will be announced in April 2001.

Further information is available at <http://www4.nationalacademies.org/>, or contact the Fellowship Programs Office/FP, TJ 2041, National Research Council, 2101 Constitution Avenue, NW, Washington, DC 20418; telephone 202-334-2860; e-mail: infofell@nas.edu.

—From an NRC announcement

AAUW Educational Foundation Fellowships and Grants

The American Association of University Women (AAUW) awards Selected Professions Fellowships to women who intend to pursue a full-time course of study at accredited institutions during the fellowship year in a designated degree program in which women's participation has traditionally been low. All women who are candidates for the master of science (M.S.) degree in mathematics or statistics are eligible to apply.

Applications are now available for Master's and First Professional Awards, which carry cash awards of between \$5,000 and \$12,000. The deadline for applications to be postmarked is **January 10, 2001**. The fellowship year runs from July 1, 2001, to June 30, 2002. For more information see the AAUW's Web site at <http://www.aauw.org/3000/fdnfelgra/selectprofbd.html>, or contact the AAUW Educational Foundation, Department 60, 2201 North Dodge

Street, Iowa City, IA 52243-4030; telephone 319-337-1716, ext. 60.

—From an AAUW announcement

News from the Institut Mittag-Leffler

The academic year 2001-02 at the Institut Mittag-Leffler will be devoted to Probability and Conformal Mappings. The organizing committee consists of Lennart Carleson of the Royal Institute of Technology in Stockholm, Peter Jones of Yale University, and Nick Makarov of the California Institute of Technology.

The application deadline for postdoctoral fellowships is **January 31, 2001**. Applications should be sent to Marie-Louise Koskull, Institut Mittag-Leffler, Auravägen 17, SE-182 62 Djursholm, Sweden. For further information, consult the institute's home page, <http://www.ml.kva.se/>.

—Institut Mittag-Leffler announcement

Conference for Undergraduate Women

The Third Annual Nebraska Conference for Undergraduate Women in Mathematics will be held in Lincoln, Nebraska, February 2-4, 2001. This conference is a gathering of talented undergraduate women mathematicians from around the country. There will be undergraduate research talks, keynote addresses, and panel discussions. This year the keynote speakers are Jennifer Key of Clemson University and Alice Silverberg of Ohio State University. Over seventy participants are expected. Some funding is available for participants. Those interested in participating should send e-mail to womenws@math.unl.edu, or contact Nebraska Conference for Undergraduate Women in Mathematics, Department of Mathematics and Statistics, University of Nebraska, Lincoln, NE 68588-0323. The deadline for applications to participate is **January 18, 2001**.

—Gwendolen Hines, University of Nebraska, Lincoln