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# Mathematics Opportunities

## American Mathematical Society Centennial Fellowships

*Invitation for Applications, 1997–1998*

*Deadline December 1, 1996*

The AMS Centennial Research Fellowship Program makes awards annually to outstanding mathematicians to help further their careers in research. Recently, the AMS Council approved changes in the rules for the fellowships. From 1984–1996, the fellowship program was aimed at mid-career mathematicians. The changes adopted last year redirected the fellowship program toward recent Ph.D.s.

The eligibility rules are as follows. Applicants: (1) must be citizens or permanent residents of a country in North America, (2) must have held their doctoral degrees for at least two years at the time of the award, (3) must not have permanent tenure, and (4) must have held less than two years of research support at the time of the award. (Each year of a full-time teaching appointment with teaching load less than four [respectively, five] courses per year on the semester [respectively, quarter] system will count in this respect as one-half year of research support.) Recipients may not hold the Centennial Fellowship concurrently with other research fellowships (e.g., Sloan Foundation Fellowships or National Science Foundation Postdoctoral Fellowships), they may not use the stipend solely to reduce teaching at the home institution, and they are expected to spend some of the fellowship period at another institution which has a stimulating research environment suited to the candidates' research development.

The stipend for fellowships awarded for 1997–98 is expected to be approximately \$37,000, with an additional expense allowance of about \$1,500. Acceptance of the fellowship cannot be postponed. Fellowship holders may use their stipend as full support for a year or may combine it with half-time teaching and use it as half support over a two-year period. Applications should include a short research plan describing both an outline of the research to be pursued and a program for using the fellowship, including institutions at which it will be used and reasons for the choices. The selection committee will base its decision on both the research potential of the applicant, based upon track record and letters of recommendation, and on the quality and feasibility of the research plan.

The number of fellowships to be awarded is small and depends on the amount of money contributed to the program. The Trustees have arranged a matching program from general funds in such a way that funds for at least one fellowship are guaranteed. Because of the generosity of the AMS membership, it has been possible to award two to four fellowships a year for the past ten years.

The deadline for receipt of applications is **December 1, 1996**. Awards will be announced in February 1997 or earlier if possible.

For application forms, write to the Executive Director, American Mathematical Society, P.O. Box 6248, Providence, RI 02940-6248, or send electronic mail to [ams@ams.org](mailto:ams@ams.org). Application forms are also available on the World Wide Web via the Internet at URL <http://www.ams.org/committee/profession/>. **Please note that completed applications and references should not be sent to the AMS, but to the address given on the application and reference forms.**

—AMS Announcement

## NRC Associateship Programs at U.S. Government Research Facilities

The National Research Council (NRC) announces the 1997 Resident, Cooperative, and Postdoctoral Research Associateship Programs to be conducted on behalf of over 100 research laboratories throughout the U.S., representing nearly all U.S. government agencies with research facilities. The programs provide opportunities for Ph.D. scientists and engineers of unusual promise and ability to perform research on problems largely of their own choosing yet compatible with the research interests of the sponsoring laboratory.

Approximately 350 new full-time associateships will be awarded on a competitive basis in 1997 in a variety of areas, including mathematics. Most of the programs 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; senior applicants who have held the doctorate at least five years may request shorter periods. Annual stipends for recent Ph.D.s for the 1997 program year range from \$30,000 to \$45,500, depending upon the sponsoring laboratory; stipends will be appropriately higher for senior associates. Financial support is provided for allowable relocation expenses and for limited professional travel. The host laboratory provides the associate with programmatic assistance including facilities, support services, equipment, and travel needed for the conduct of the research program.

Applications submitted to the NRC are accepted on a continuous basis throughout the year. Those postmarked no later than **January 15** will be reviewed in February, by **April 15** in June, and by **August 15** in October. Initial awards will be announced in March and April (and July and November for the two later competitions), followed by awards to alternate candidates later.

Information on specific research opportunities and participating federal laboratories, as well as application materials, may be obtained from: National Research Council, Associateship Programs (TJ 2114/D3), 2101 Constitution Avenue, NW, Washington, DC 20418; fax 202-334-2759; e-mail [rap@nas.edu](mailto:rap@nas.edu). Information may also be found on the World Wide Web at <http://www.nas.edu/rap/welcome.html>.

— NRC Announcement

## NRC Grants for Central/Eastern Europe Collaborations

The Office of Central Europe and Eurasia of the National Research Council (NRC) offers grants to individual Amer-

ican specialists who plan to establish new research partnerships with their colleagues from Central/Eastern Europe and the Newly Independent States. This program is designed primarily to prepare these new partnerships for competition in National Science Foundation (NSF) programs.

There are two types of grants under this program. *Short-Term Project Development Grants* support American specialists who wish to host or visit their colleagues in Central/Eastern Europe or the Newly Independent States for two-week periods in order to prepare collaborative research proposals for submission to the NSF. Short-term grants will be \$2,200–\$2,500. *Long-Term Grants* support American specialists who wish to host or visit colleagues in Central/Eastern Europe or the Newly Independent States for collaboration on research for a period of one to six months. Significant publications jointly authored by program participants as a result of the long-term visit are expected. Long-term grants will be \$3,000–\$15,300.

(Those who hold NSF grants and are eligible for an NSF international supplement should not apply to this program. The NSF's Eastern European Program staff can provide advice about applications for NSF international supplements (telephone 703-306-1703).)

For Short-Term Project Development Grants, there are three upcoming deadlines: **December 30, 1996**, **April 7, 1997**, and **August 11, 1997**. For Long-Term Grants the deadline is **July 7, 1997**. For further information and application materials, contact: Office for Central Europe and Eurasia, National Research Council, 2101 Constitution Avenue, NW, Washington, DC 20418; telephone 202-334-3680; fax 202-334-2614; e-mail [oceee@nas.edu](mailto:oceee@nas.edu); World Wide Web <http://www2.nas.edu/oia/22da.html>.

—from NRC Announcement