
Mathematics Opportunities

American Mathematical Society Centennial Fellowships

Invitation for Applications for Awards for 2003–2004

Deadline December 1, 2002

The AMS Centennial Research Fellowship Program makes awards annually to outstanding mathematicians to help further their careers in research. From 1997 to 2001 the fellowship program was aimed at recent Ph.D.'s. Recently the AMS Council approved changes in the rules for the fellowships. The eligibility rules are as follows.

The primary selection criterion for the Centennial Fellowship is the excellence of the candidate's research. Preference will be given to candidates who have not had extensive fellowship support in the past. Recipients may not hold the Centennial Fellowship concurrently with another research fellowship such as a Sloan or NSF Postdoctoral Fellowship. Under normal circumstances the fellowship cannot be deferred. A recipient of the fellowship shall have held his or her doctoral degree for at least three years and not more than twelve years at the inception of the award. Applications will be accepted from those currently holding a tenured, tenure-track, postdoctoral, or comparable (at the discretion of the selection committee) position at an institution in North America.

The stipend for fellowships awarded for 2003–2004 is expected to be approximately \$57,000, with an additional expense allowance of about \$1,600.

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. Due to a change in eligibility criteria and an increase in the stipend beginning in 2002–2003, it is expected that two fellowships will be awarded. A list of previous fellowship winners can be found at <http://www.ams.org/secretary/prizes.html>.

Applications should include a cogent plan indicating how the fellowship will be used. The plan should include travel to at least one other institution and should demonstrate that the fellowship will be used for more than reduction of teaching at the candidate's home institution. The selection committee will consider the plan in addition

to the quality of the candidate's research and will try to award the fellowship to those for whom the award would make a real difference in the development of their research careers. Work in all areas of mathematics, including interdisciplinary work, is eligible.

The deadline for receipt of applications is **December 1, 2002**. Awards will be announced in February 2003 or earlier if possible.

Application forms are available via the Internet at <http://www.ams.org/employment/centflyer.html>. For paper copies of the form, write to the Professional Services Department, American Mathematical Society, 201 Charles Street, Providence, RI 02904-2294; or send electronic mail to prof-serv@ams.org; or call 401-455-4107.

—AMS announcement

Call for Nominations for the 2003 Fermat Prize

The Fermat Prize for Mathematics Research is awarded every two years by Université Paul Sabatier under the sponsorship of Astrium SAS. The prize is intended to recognize research in fields in which Pierre de Fermat made significant contributions, particularly statements of variational principles, foundations of probability and analytical geometry, and number theory. Candidates should be under the age of 45, and the work should have been done within the past five years.

The deadline for nominations is **June 30, 2003**. For more information, see http://www.ups-tlse.fr/ACTUALITES/Sciences/Prix_Fermat_2003/Areglement.html.

—From a Université Paul Sabatier announcement

Research Opportunities for U.S. Graduate Students in Japan, Korea, and Taiwan

The National Science Foundation (NSF) and the National Institutes of Health (NIH) are cosponsoring summer research programs in Japan, Korea, and Taiwan for U.S. graduate students during the summer of 2003. These summer

programs provide U.S. graduate students in science and engineering with firsthand research 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 foreign counterparts in the future. The programs will last approximately eight weeks, from mid-June to August, and are administered in the United States by the NSF and the NIH. Applicants must be U.S. citizens or permanent residents. They must be enrolled at U.S. institutions in science or engineering Ph.D. programs, in M.D. programs with an interest in biomedical research, or in master's degree programs with at least one full academic year completed by 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 or the NIH 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, 2002**. 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. For more information visit the NSF website, <http://www.nsf.gov/pubs/2002/nsf02007/nsf02007.htm>.

—From an NSF 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, 2003**. The fellowship year runs from July 1, 2003, to June 30, 2004. For more information see the AAUW's website at <http://www.aauw.org/3000/fdnfelgra/selectprof.html>, or contact the AAUW Educational Foundation, 1111 Sixteenth St. N.W.,

Washington, DC 20036; telephone 800-326-2289; fax 202-872-1425; email: info@aauw.org.

—From an AAUW announcement

AWM Workshop for Women Graduate Students and Postdocs

The Association for Women in Mathematics (AWM) has announced that a workshop for women in mathematics will be held June 16–17, 2003, in conjunction with the joint meeting of the Canadian Applied and Industrial Mathematics Society and the Society for Industrial and Applied Mathematics (SIAM) in Montreal, Quebec, Canada, June 16–20, 2003. The workshop will feature minisymposia on research areas selected from mathematical biology, modeling, control, optimization, scientific computing, and partial differential equations and applications. The deadline for receipt of applications is **January 24, 2003**.

The AWM holds a series of workshops for women graduate students and recent Ph.D.'s in conjunction with major mathematics meetings. The workshops are supported by the Office of Naval Research and the Air Force Office of Scientific Research. For further information see the AWM website at <http://www.awm-math.org/>.

—AWM announcement

News from the Institut Mittag-Leffler

The academic year 2003–2004 at the Institut Mittag-Leffler, Djursholm, Sweden, will be devoted to non-commutative geometry. The organizing committee consists of F. Van Oystaeyen, Antwerpen; M. Artin, MIT; A. Connes, IHÉS; A. Laudal, Oslo; Y. Manin, Bonn; and C. Procesi, Rome.

The application deadline for postdoctoral fellowships is **January 31, 2003**. Applications should be sent to Marie-Louise Koskull, Institut Mittag-Leffler, Auravägen 17, SE-182 60 Djursholm, Sweden. For further information consult the institute's homepage, <http://www.ml.kva.se/>.

—Institut Mittag-Leffler announcement