
Mathematics Opportunities

NSF Focused Research Groups

The Focused Research Groups (FRG) activity of the Division of Mathematical Sciences (DMS) of the National Science Foundation (NSF) supports small groups of researchers in the mathematical sciences.

The DMS has announced deadline dates for the fiscal year 2009 competition for FRG grants. The deadline for receipt of the required letters of intent to submit FRG proposals is **August 21, 2009**. The deadline date for full proposals is **September 18, 2009**. The FRG solicitation may be found on the Web at http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5671.

—From an NSF announcement

NSF Mathematical Sciences Postdoctoral Research Fellowships

The Mathematical Sciences Postdoctoral Research Fellowship program of the Division of Mathematical Sciences (DMS) of the National Science Foundation (NSF) awards fellowships each year that are designed to permit awardees to choose research environments that will have maximal impact on their future scientific development. Awards of these fellowships are made for appropriate research in areas of the mathematical sciences, including applications to other disciplines. Fellows may opt to choose either a research fellowship or a research instructorship. The deadline for this year's applications is **October 21, 2009**. Applications must be submitted via FastLane on the World Wide Web. For more information see the website http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5301.

—From an NSF announcement

NSF CAREER Program Guidelines Available

The guidelines for the Faculty Early Career Development (CAREER) Program of the National Science Foundation (NSF) are now available on the World Wide Web. The program solicitation number is 08-557. Information is available at <http://nsf.gov/pubs/2008/nsf08557/nsf08557.htm>. The deadline for submission of proposals is **July 23, 2009**.

—From an NSF announcement

Call for Nominations for Sloan Fellowships

Nominations for candidates for Sloan Research Fellowships, sponsored by the Alfred P. Sloan Foundation, are due by **September 15, 2009**. A candidate must be a member of the regular faculty at a college or university in the United States or Canada and must have received the Ph.D. or equivalent within the six years previous to the nomination. For information write to: Sloan Research Fellowships, Alfred P. Sloan Foundation, 630 Fifth Avenue, Suite 2550, New York, NY 10111-0242; or consult the foundation's website: http://www.sloan.org/programs/fellowship_brochure.shtml.

—From a Sloan Foundation announcement

NSA Mathematical Sciences Grants and Sabbaticals Program

As the nation's largest employer of mathematicians, the National Security Agency (NSA) is a strong supporter of the academic mathematics community in the United States. Through the Mathematical Sciences Program, the NSA provides research funding and sabbatical opportunities for eligible faculty members in the mathematical sciences.

Grants for Research in Mathematics. The Mathematical Sciences Program (MSP) supports self-directed, unclassified research in the following areas of mathematics: algebra, number theory, discrete mathematics, probability, and statistics. The program also supports conferences and workshops (typically in the range of US\$15,000–US\$20,000) in these five mathematical areas. The program does not entertain research or conference proposals that involve cryptology. Research support may include summer salary for faculty members, a modest amount for graduate student support, travel assistance, and other miscellaneous expenses. Proposals that involve participation by women and other individuals from underrepresented backgrounds are encouraged.

Principal investigators, graduate students, consultants, and all other personnel supported by NSA grants must be U.S. citizens or permanent residents of the United States at the time of proposal submission. Proposals should be submitted **electronically** by **October 15, 2009**, via the program website: http://www.nsa.gov/research/math_research/index.shtml.

Sabbatical Program. NSA's Mathematics Sabbatical Program offers mathematicians, statisticians, and computer

scientists the unique opportunity to develop skills in directions that would be nearly impossible anywhere else. Sabbatical employees work side by side with other NSA scientists on projects that involve cryptanalysis, coding theory, number theory, discrete mathematics, statistics and probability, and many other subjects. Visitors spend 9–24 months at NSA, and most find that within a very short period of time they are able to make significant contributions.

NSA pays 50 percent of salary and benefits during academic months and 100 percent of salary and benefits during summer months of the sabbatical detail. A monthly housing supplement is available to help offset the cost of local lodging. On average, three sabbatical positions are available per year.

Applicants must be U.S. citizens and must be able to obtain a security clearance. A complete application includes a cover letter and curriculum vitae with list of significant publications. The cover letter should describe the applicant's research interests, programming experience and level of fluency, and how an NSA sabbatical would affect teaching and research upon a return to academia. Additional information about the Sabbatical Program is available at http://www.nsa.gov/research/math_research/sabbaticals/index.shtml.

For more information about the Grants or Sabbaticals Program, please contact the program office at 301-688-0400. You may also write to the program director, Heather Garten (hlgarten@nsa.gov), or to the program administrator, Barbara Johnson (bajohn1@nsa.gov).

—*Mathematical Sciences Program announcement*

Travel Grants for ICM 2010

The American Mathematical Society has applied to the National Science Foundation (NSF) for funds to permit partial travel support for U.S. mathematicians attending the 2010 International Congress of Mathematicians (ICM 2010), August 19–27, 2010, in Hyderabad, India. Subject to the award decision by the NSF, the Society is preparing to administer the selection process, which would be similar to previous programs funded in 1990, 1994, 1998, 2002, and 2006.

Instructions on how to apply for support will be available on the AMS website at <http://www.ams.org/employment/icm2010.html>. The application period will be **September 1–November 15, 2009**. This travel grants program, if funded, will be administered by the Membership and Programs Department, AMS, 201 Charles Street, Providence, RI 02904-2294. You can contact us at ICM2010@ams.org; 800-321-4267, ext. 4170; or 401-455-4170.

This program is open to U.S. mathematicians (those who are currently affiliated with a U.S. institution). Early career mathematicians (those within six years of their doctorate), women, and members of U.S. groups underrepresented in mathematics are especially encouraged to apply. ICM 2010

Invited Speakers from U.S. institutions should submit applications if funding is desired.

Applications will be evaluated by a panel of mathematical scientists under the terms of a proposal submitted to the National Science Foundation by the Society.

Should the proposal to the NSF be funded, the following conditions will apply: mathematicians accepting grants for partial support for travel to ICM 2010 may not supplement the grants with any other NSF funds. Currently, it is the intention of the NSF's Division of Mathematical Sciences (DMS) to provide no additional funds in its other regular research grants for travel to ICM in 2010. However, an individual mathematician who does not receive a travel grant may use regular NSF grant funds, subject to the usual restrictions and prior approval requirements.

All information currently available about the ICM 2010 program, organization, and registration procedure is located on the ICM 2010 website, <http://www.icm2010.org.in>.

—*AMS Memberships and Programs Department*

Call for Entries for Ferran Sunyer i Balaguer Prize

The Ferran Sunyer i Balaguer Foundation invites entries for the 2009 Ferran Sunyer i Balaguer Prize. The prize is awarded for a mathematical monograph of an expository nature presenting the latest developments in an active area of research in mathematics. The prize consists of 15,000 euros (approximately US\$20,400) and publication of the winning monograph in Birkhäuser-Verlag's series Progress in Mathematics. The deadline for submission is **December 4, 2009**. For more information see the website <http://ffsb.iec.cat>.

—*From a Ferran Sunyer i Balaguer Foundation announcement*

Call for Nominations for 2009 Sacks Prize

The Association for Symbolic Logic (ASL) invites nominations for the 2009 Sacks Prize for the most outstanding doctoral dissertation in mathematical logic. The Sacks Prize consists of a cash award and five years' free membership in the ASL. The deadline for nominations is **September 30, 2009**.

General information about the prize is available at <http://www.aslonline.org/info-prizes.html>. For details about nomination procedures, see http://www.aslonline.org/Sacks_nominations.html.

—*From an ASL announcement*