Mathematics Opportunities

American Mathematical Society Centennial Fellowship

Deadline December 1, 2014

Description: The AMS Centennial Research Fellowship Program makes awards annually to outstanding mathematicians to help further their careers in research. The number of fellowships to be awarded is small and depends on the amount of money contributed to the program. The Society supplements contributions as needed. At least one fellowship will be awarded for the 2015–2016 academic year. A list of previous fellowship winners can be found at http://www.ams.org/profession/prizes-awards/ams-awards/centennial-fellow.

Eligibility: 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 (that is, received between September 1, 2003, and September 1, 2012). 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. 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.

Deadline: The deadline for receipt of applications is December 1, 2014. The award recipient will be announced in February 2015 or earlier if possible.

Application information: Find Centennial information and the application form via the Internet at http://www.ams.org/ams-fellowships/. For paper copies of the form, write to the Membership and Programs Department, American Mathematical Society, 201 Charles Street, Providence, RI 02904-2294; prof-serv@ams.org; 401-455-4105.

—AMS announcement

Call for Nominations for the Award for Impact on the Teaching and Learning of Mathematics

This award is given annually to a mathematician or group of mathematicians who have made significant contributions of lasting value to mathematics education. Priorities of the award include recognition of (a) accomplished mathematicians who have worked directly with precollege teachers to enhance teachers’ impact on mathematics achievement for all students, or (b) sustainable and replicable contributions by mathematicians to improving the mathematics education of students in the first two years of college. The US$1,000 annual award is provided through an endowment fund established by a contribution from Kenneth I. and Mary Lou Gross in honor of their daughters, Laura and Karen. The AMS Committee on Education selects the recipient. The deadline for nominations for the 2015 award is September 15, 2014. For more information, see the nomination webpage at http://www.ams.org/profession/prizes-awards/ams-awards/impact.

—AMS Washington office

AWM Travel Grants for Women

The National Science Foundation (NSF) and the Association for Women in Mathematics (AWM) sponsor travel grant programs for women mathematicians.

AWM Travel Grants for Women Researchers enable women to attend research conferences in their fields, thereby providing scholars valuable opportunities to advance their research activities and their visibility in the research community. A Mathematics Travel Grant provides full or partial support for travel and subsistence for a meeting or conference in the grantee’s field of specialization, awarding funds of up to US$1,750 for domestic travel and of US$2,300 for foreign travel.

The Mathematics Education Research Travel Grants provide full or partial support for travel and subsistence in math/math education research for mathematicians attending a math education research conference or math education researchers attending a math conference. The grants provide up to US$1,750 for domestic travel and of US$2,300 for foreign travel.

AWM Mathematics Mentoring Travel Grants are designed to help junior women develop long-term working and mentoring relationships with senior mathematicians. A mentoring travel grant funds travel, subsistence, and other expenses for an untenured woman mathematician.
to travel to an institute or a department to do research with a specified individual for one month. Up to seven grants will be awarded in amounts up to US$5,000 each.

Mathematics Education Research Travel Grants encourage collaboration between mathematicians and researchers in education and related fields in order to improve the education of teachers and students. Women mathematicians who wish to collaborate with an educational researcher or to learn about educational research may use the mentoring grants to travel to collaborate with or be mentored by a mathematics education researcher. Up to seven grants will be awarded in amounts up to US$5,000 each.

The final deadline for the Travel Grants program for 2014 is October 1, 2014. The deadlines for 2015 are February 1, 2015; May 1, 2015; and October 1, 2015. For the Mathematics Education Research Travel Grant program, the deadlines are October 1, 2014; February 1, 2015; May 1, 2015; and October 1, 2015. For the Mathematics Mentoring Travel Grants program, the deadline is February 1, 2015. For the Mathematics Education Research Mentoring Travel Grants program, the deadline is February 1, 2015. For further information and details on applying, see the website https://sites.google.com/site/awmmath programas/travel-grants; telephone: 703-934-0163; email: awm@awm-math.org; or contact Association for Women in Mathematics, 11240 Waples Mill Road, Suite 200, Fairfax, VA 22030.

—From an AWM announcement

Call for Nominations for Clay Research Fellowships

The Clay Mathematics Institute (CMI) solicits nominations for its competition for the 2015 Clay Research Fellowships. Fellowships are appointed for a period of two to five years. They may conduct their research at whatever institution or combination of institutions best suits their research. In addition to a generous salary, the fellows receive support for travel, collaboration, and other research expenses.

The selection criteria are the quality of the candidate’s research and promise to become a mathematical leader. All those selected are recent Ph.D.’s, and most are selected as they complete their thesis work. Selection decisions are made by CMI’s Scientific Advisory Board.

To nominate a candidate, please send the following items by November 16, 2014: (1) letter of nomination; (2) names and contact information of two other references; (3) curriculum vitae for the nominee; and (4) publication list for the nominee. Nominations should be sent to the attention of Nick Woodhouse, Clay Mathematics Institute, 10 Memorial Boulevard, Suite 902, Providence, RI 02903. Electronic submissions are also accepted at nominations@claymath.org.

Information about the Clay Research Fellows is available on the CMI website at http://www.claymath.org/research,fellows

—From a Clay Mathematics Institute announcement

NRC-Ford Foundation Fellowships

Through its Fellowship Programs, the Ford Foundation seeks to increase the diversity of the nation’s college and university faculties by increasing their ethnic and racial diversity, to maximize the educational benefits of diversity, and to increase the number of professors who can and will use diversity as a resource for enriching the education of all students. The fellowships are administered by the Fellowships Office of the National Research Council.

All citizens or nationals of the United States are eligible, regardless of race, national origin, religion, gender, age, disability, or sexual orientation. The fellowships are awarded to individuals who demonstrate superior academic achievement (such as grade point average, class rank, honors, or other designations) and who are committed to a career in teaching and research at the college or university level.

Sixty Predoctoral Fellowships will be awarded. These fellowships provide three years of support for individuals engaged in graduate study leading to a Doctor of Philosophy (Ph.D.) or Doctor of Science (Sc.D.) degree. The online application deadline is November 19, 2014.

Approximately thirty Dissertation Fellowships will be awarded. These fellowships provide one year of support for individuals working to complete a dissertation leading to a Ph.D. or Sc.D. degree. The online application deadline is November 14, 2014.

Approximately eighteen Postdoctoral Fellowships will be awarded. These fellowships provide one year of support for individuals engaged in postdoctoral study after the attainment of the Ph.D. or Sc.D. degree. The online application deadline is November 14, 2014.

For further information, visit the website http://sites.nationalacademies.org/pga/fordfellowships/ or contact: Fellowships Office, Keck 576, National Research Council, 500 Fifth Street, NW, Washington, DC 20001; tel: 202-334-2872; fax: 202-334-3419; email: info@nas.edu.

—From the Ford Foundation Fellowships website

News from AIM

The American Institute of Mathematics (AIM) is accepting applications for its scientific programs: focused workshops and SQuaRES.

**Focused Workshop Program:** AIM invites proposals for its focused workshop program. AIM’s week-long workshops are distinguished by their specific mathematical goals. This may involve making progress on a significant unsolved problem or examining the convergence of two distinct areas of mathematics. Workshops are small in size—up to twenty-eight people—so that close collaboration among the participants. The deadline for proposals is November 1, 2014.

Researchers may apply to attend an upcoming AIM workshop. Each workshop supports several participants.
News from CIRM

The Centro Internazionale per la Ricerca Matematica (CIRM), located in Trento, Italy, announces the following activities in mathematics research in 2015.

Conferences. A series of conferences will be supported in 2015. Proposals must be submitted before September 30, 2014, by mail to Fondazione Bruno Kessler, Centro Internazionale per la Ricerca Matematica, Via Sommarive n. 14–Povo, 38123 Trento, Italy, or by electronic mail to micheletti@fbk.eu. For more information, see http://cirm.fbk.eu/call-applications-2015-conferences.

Postdoctoral Fellowships. CIRM is accepting applications for both a one-year and a trienniel postdoctoral research position in the year 2014–2015. The deadline for applications is September 30, 2014, sent by postal mail to Fondazione Bruno Kessler, Centro Internazionale per la Ricerca Matematica, Via Sommarive n. 14–Povo, 38123 Trento, Italy, or by electronic mail to micheletti@fbk.eu. For further information, see http://cirm.fbk.eu/postdoc-fellowships.

Visiting Professorships, Scholarships, Research in Pairs. CIRM Visiting Scholars will perform mathematical research in cooperation with scientists and researchers at Trento University or, more generally, in the Trento area, holding some research seminars; CIRM Visiting Professors will hold short Ph.D. courses, summer courses, or series of seminars. The Research in Pairs program supports two or three partners from universities located in different towns who intend to work together at CIRM on a definite research project for a period of time ranging from one to six weeks. Applications for these programs must be sent by postal mail to Fondazione Bruno Kessler, Centro Internazionale per la Ricerca Matematica, Via Sommarive n. 14–Povo, 38123 Trento, Italy, or by electronic mail to micheletti@fbk.eu. Applications can be submitted at any time and must contain a specific indication of the proposed dates for the visit and a list of publications for each applicant. For more information see http://cirm.fbk.eu/cirm-visiting-professors and http://cirm.fbk.eu/research-pairs.

—Marco Andreatto, Director, CIRM

News from MSRI

The Mathematical Sciences Research Institute invites the submission of preproposals for full- or half-year programs to be held at MSRI. Planning of such programs is generally done about three years ahead. Except in extraordinary cases, a subject is the focus of a program not more than once in ten years.

Proposals for other scientific activities, such as workshops and conferences outside the scope of the long-term programs, are also welcome. In particular, note the possibility of proposing a “Hot Topic Workshop” before November to take place in the spring. In proposals of an activity outside a long-term program (such as a workshop or other special event), please include estimated date(s) of the activity, noting alternate dates to allow coordination with other MSRI events.

A scientific program at MSRI generally consists of up to one year (10 months) of concentrated activity in a specific area of current research interest in the mathematical sciences. MSRI usually runs two programs simultaneously, each with about thirty mathematicians in residence at any given time. The most common program lengths are one year and five months (typically in the form of a Fall or Spring semester program). Each program begins with a Connections for Women workshop, followed by an introductory workshop. The purpose of both is to introduce the subject to the broader mathematical community. The programs receive administrative and financial support from the Institute, allowing organizers to focus on the scientific aspects of the activities.

How to submit a program preproposal:

The Scientific Advisory Committee (SAC) of the Institute meets in January and November each year to consider preproposals for programs. Proposals for special events or conferences outside the programs are considered in a much shorter time frame. Proposals for such events may be submitted at any time.

Successful proposals are usually developed from the preproposal in a collaborative process between the proposers, the Directorate and the SAC, and may be considered at more than one meeting of the SAC before selection.

The scientific planning and organization of each program is the responsibility of a committee of organizers (aided in some cases by a liaison of the Directorate and the SAC). The organizers recommend participants in the program; they also plan workshops and lecture series within the program, which many more participants may attend. Each program is allocated a budget for subsistence and travel expenses.

Please see our website for specific preproposal requirements and further information: https://www.msri.org/web/msri/scientific/request-for-proposals/propose-a-program.

—From an MSRI announcement