
Mathematics Opportunities

American Mathematical Society Centennial Fellowship

*Invitation for Applications for Awards for 2014-2015
Deadline December 1, 2013*

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. One fellowship will be awarded for the 2014-2015 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 major research award such as a Sloan Fellowship, NSF Postdoctoral Fellowship, or CAREER award. 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, 2002, and September 1, 2011). However, for any program, fellowship, prize, or award that has a maximum period of eligibility after receipt of the doctoral degree, the selection committee may use discretion in making exceptions to the limit on eligibility for candidates whose careers have been interrupted for reasons such as family or health). 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 a person for whom the award would make a real difference in the development of his or her research career.

Work in all areas of mathematics, including interdisciplinary work, is eligible.

Deadline: The deadline for receipt of applications is **December 1, 2013**. The award recipient will be announced in February 2014 or earlier if possible.

Application information: Centennial information and the application form may be found 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; send email to prof-serv@ams.org; or call 401-455-4105.

—AMS announcement

Call for Nominations for the Ostrowski Prize

The Ostrowski Foundation is seeking nominations for the 2013 Ostrowski Prize. This international prize is awarded for recent outstanding achievements in pure mathematics or the theoretical foundations of numerical mathematics. The 2013 prize carries a cash award of 100,000 Swiss francs (approximately US\$106,500).

Nominations should include a CV of the candidate, a letter of nomination, and three letters of reference. Nominations should be sent by **September 15, 2013**, to the jury chair, Cameron Stewart, at cstewart@uwaterloo.ca. For more information, see the website http://www.ostrowski.ch/index_e.php?ifile=home.

—Cameron Stewart, University of Waterloo

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 Mentoring 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 2013 is **October 1, 2013**. The deadlines for 2014 are **February 1, 2014**; **May 1, 2014**; and **October 1, 2014**. For the Mathematics Education Research Travel Grant program, the deadlines are **October 1, 2013**; **February 1, 2014**; **May 1, 2014**; and **October 1, 2014**. For the Mathematics Mentoring Travel Grants program, the deadline is **February 1, 2014**. For the Mathematics Education Research Mentoring Travel Grants program, the deadline is **February 1, 2014**. For further information and details on applying, see the website <https://sites.google.com/site/awmmath/programs/travel-grants>; telephone: 703-934-0163; or email: awm@awm-math.org; or contact the Association for Women in Mathematics, 11240 Waples Mill Road, Suite 200, Fairfax, VA 22030.

—From an AWM announcement

AIM Workshops

The American Institute of Mathematics (AIM) seeks proposals for workshops in all areas of the mathematical sciences. Proposals should include (1) a plan for the workshop, including a description of the workshop focus and goals; (2) a list of at least two and at most four organizers; (3) a list of potential participants; and (4) the mathematics subject classification and a list of references. Workshops generally last four or five days and can support up to twenty-eight participants.

Proposals for workshops may be submitted online at www.aimath.org; the deadline for submissions is

November 1, 2013. The AIM workshop format is designed to encourage new collaborations to make plans or progress toward a research goal: there are two talks each morning of the workshop and structured group activities each afternoon, including research in small groups.

Further details and a list of upcoming workshops are available at www.aimath.org.

—From an AIM announcement

Call for Nominations for Clay Research Fellowships

The Clay Mathematics Institute (CMI) solicits nominations for its competition for the 2014 Clay Research Fellowships. Fellows 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 **October 30, 2013**: (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

News from MSRI

The Mathematical Sciences Research Institute (MSRI) is accepting applications for residencies in 2014–2015 and preproposals for scientific programs.

Research Program Residencies

Forty research professors, 200 research members, and thirty postdoctoral fellows will be selected for residencies in the following programs:

New Geometric Methods in Number Theory and Automorphic Forms, August 11, 2014–December 12, 2014.

Geometric Representation Theory, August 18, 2014–December 19, 2014.

Dynamics on Moduli Spaces of Geometric Structures, January 12, 2015–May 22, 2015.

Geometric and Arithmetic Aspects of Homogeneous Dynamics, January 19, 2015–May 29, 2015.

Research professorships are intended for senior researchers who will make key contributions to a program,

including the mentoring of postdoctoral fellows, and who will be in residence for three or more months. Research memberships are intended for researchers who will make contributions to a program and who will be in residence for one or more months. Postdoctoral fellowships are intended for recent Ph.D.'s who will be in residence for one semester. Interested individuals should carefully describe the purpose of their proposed visit and indicate why a residency at MSRI will advance their research program. To receive full consideration, the application must be completed, including all letters of support, by the following deadlines: research professorships, **October 1, 2013**; research memberships, **December 1, 2013**; postdoctoral fellowships, **December 1, 2013**. For more information see the website <https://www.msri.org/web/msri/scientific/member-application>.

Preproposals for Scientific Programs

MSRI invites the submission of preproposals for full- or half-year programs to be held at MSRI. Such programs are generally planned about three years in advance. A scientific program at MSRI generally consists of up to one year (ten 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 for one year and for five months (typically in the form of a fall or spring semester program).

For more complete information see the website <https://www.msri.org/web/msri/scientific/request-for-proposals/propose-a-program>.

—From MSRI announcements

北京大学
Peking University



The School of Mathematical Sciences and the Beijing International Center for Mathematical Research at Peking University are actively seeking outstanding candidates for faculty positions in both pure and applied mathematics. Candidates who have demonstrated or shown potential for the highest achievements in all major areas of mathematics are encouraged to apply.

Successful applicants will be hired by Peking University as professors, associate professors as well as assistant professors. They can be also hired by Peking University through the National Recruitment Program of Global Experts, the University Talent Program, and the Junior Faculty Member Program respectively, according to their academic achievements.

Founded in 1898, Peking University is one of the oldest high education institutions in China and has since been an integral part of the process of modernization in China. Its faculty in mathematics, science, medicine and humanities is the strongest among all Chinese universities.

The discipline of mathematics at Peking University was set up in 1913. Currently, its faculty includes seven members of the Chinese Academy of Sciences as well as many active young mathematicians. The School of Mathematical Sciences has for many years attracted the best undergraduate students in China. The Beijing International Center for Mathematical Research, founded in 2005, has already become a center for attracting top talents as well as international exchanges.

Application materials, including a curriculum vitae, a list of publications, a brief description of current research interest and five main publications, should be addressed to Ms Yang Yang at yangy@math.pku.edu.cn. Junior applicants should arrange three letters of recommendation to be sent directly to Ms Yang. For more information about us, please visit <http://www.math.pku.edu.cn/>, <http://www.bicmr.org/> and <http://hr.pku.edu.cn/rczp/js/>.

