
Mathematics Opportunities

NSF Postdoctoral Research Fellowships

The National Science Foundation (NSF) awards Mathematical Sciences Postdoctoral Research Fellowships (MSPRF) for research in areas of the mathematical sciences, including applications to other disciplines. Awardees are permitted to choose research environments that will have maximal impact on their future scientific development. Awards are made in the form of either Research Fellowships or Research Instructorships. The Research Fellowship option provides full-time support for any eighteen academic-year months in a three-year period, in intervals not shorter than three consecutive months. The Research Instructorship option provides a combination of full-time and half-time support over a period of three academic years, usually one academic year full-time and two academic years half-time. Under both options, the award includes six summer months; however, no more than two summer months of support may be received in any calendar year. Under both options, the stipend support for twenty-four months (eighteen academic-year months plus six summer months) will be provided within a forty-eight-month period.

The program solicitation and deadline for the 2006 fellowships will be available in July 2006; see the DMS website, <http://www.nsf.gov/div/index.jsp?div=DMS>.

—From an NSF announcement

Enhancing the Mathematical Sciences Workforce in the Twenty-First Century

In an effort to increase the number of U.S. citizens, nationals, and permanent residents who are well prepared in the mathematical sciences and who pursue careers in the mathematical sciences and other scientific disciplines, the Division of Mathematical Sciences (DMS) of the National Science Foundation (NSF) has instituted a program titled Enhancing the Mathematical Sciences Workforce in the Twenty-First Century. This program builds on the Vertical Integration of Research and Education (VIGRE) program

and includes a broadened VIGRE activity, as well as additional components for Research Training Groups in the Mathematical Sciences (RTG) and for Mentoring through Critical Transition Points (MCTP) in the Mathematical Sciences.

VIGRE grants are designed to allow departments in the mathematical sciences to carry out innovative educational programs in which research and education are integrated and in which undergraduates, graduate students, postdoctoral fellows, and faculty are mutually supportive. Integrating research and education for graduate students and postdoctoral associates, involving undergraduates in substantial learning by discovery, and developing a team approach are keys to successful VIGRE projects. VIGRE student and postdoctoral associates and their mentors may participate in international research and education collaborative activities, including activities in other countries that are integrated into and that benefit the overall VIGRE program at the institution.

The DMS expects to make nine to fifteen awards under this program in 2006. The deadline for proposals is **June 6, 2006**. For more information about the program and all of its components, see the website http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf05595.

—From an NSF announcement

Call for Nominations for the ICTP/IMU Ramanujan Prize

The Abdus Salam International Centre for Theoretical Physics (ICTP), in conjunction with the International Mathematical Union (IMU), is seeking nominations for the 2006 Ramanujan Prize for Young Mathematicians from Developing Countries. Researchers under forty-five years old who work in any branch of the mathematical sciences are eligible. The prize carries a cash award of US\$10,000 and a travel and subsistence allowance to deliver a prize lecture at the ICTP. The deadline for receipt of nominations for the 2006 prize is **July 31, 2006**. For further information, see http://www.ictp.trieste.it/~sci_info/awards/Ramanujan/Ramanujan.html.

—From an ICTP announcement