Mathematics Opportunities

NRC-Ford Foundation Diversity Fellowships

The National Research Council (NRC) administers the Ford Foundation Diversity Fellowships program. The program seeks to promote 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. Predoctoral fellowships support study toward a Ph.D. or Sc.D.; dissertation fellowships offer support in the final year of writing the Ph.D. or Sc.D. thesis; postdoctoral fellowships offer one-year awards for Ph.D. recipients. Applicants must be U.S. citizens or nationals in research-based fields of study and members of one of the following groups: Alaskan Native (Eskimo or Aleut), Black/African American, Mexican American/Chicana/Chicano, Native American Indian, Native Pacific Islander (Polynesian/Micronesian), or Puerto Rican.

Approximately sixty predoctoral fellowships will be awarded for 2006. The awards provide three years of support and are made to individuals who, in the judgment of the review panels, have demonstrated superior academic achievement, are committed to a career in teaching and research at the college or university level, show promise of future achievement as scholars and teachers, and are well prepared to use diversity as a resource for enriching the education of all students. The annual stipend is US$19,000, with an institutional allowance of US$3,000. The deadline for applying online is **November 17, 2005**.

Approximately thirty-five dissertation fellowships will be awarded for 2006 and will provide one year of support for study leading to a Ph.D. or D.Sc. degree. The stipend for one year is US$21,000. The deadline for applying online is **December 1, 2005**.

The postdoctoral fellowship program offers one year of postdoctoral support for individuals who have received their Ph.D.'s no earlier than January 1998 and no later than January 15, 2005. The stipend is US$40,000, with an employing institution allowance of US$1,500. Approximately twenty-four postdoctoral fellowships will be awarded for 2006. The deadline for applying online is **December 15, 2005**.

More detailed information and applications are available at the website `http://www7.nationalacademies.org/fellowships/`. The postal address is: Fellowships Office, GR 346A, National Research Council of the National Academies, 550 Fifth Street, NW, Washington, DC 20001. The telephone number is 202-334-2872. The email address is `infofell@nas.edu`.

—From an NRC announcement

EDGE Summer Program

The Enhancing Diversity in Graduate Education (EDGE) Program is a postbaccalaureate summer enrichment program designed to strengthen the ability of women and minority students to successfully complete graduate programs in the mathematical sciences.

The summer program consists of two core courses in analysis and algebra/linear algebra, a minicourse in a current area of mathematical research, short-term visitors from academia and industry, guest lectures, graduate student mentors, and problem sessions. In addition, a follow-up mentoring program and support network will be established with the participants and their respective graduate programs.

Applicants to the program should be women who either (1) have been accepted to a graduate program in the mathematical sciences or (2) have just completed their first year of graduate school in the mathematical sciences. All applicants should have completed standard junior- or senior-level undergraduate courses in analysis and abstract algebra and have a desire to earn the doctorate degree. Women who have taken time away from formal education as well as women from minority groups who fit into one

of the above two categories are especially encouraged to apply. Final acceptance to the program is contingent on acceptance to a graduate program in the mathematical sciences.

The ninth summer session of the EDGE Program will be held at the New College of Florida, Sarasota, Florida. The dates for the program are June 12 through July 7, 2006. It will be codirected by Sylvia Bozeman (Spelman College), Rhonda Hughes (Bryn Mawr College), and local program coordinator Eirini Poimenidou (New College of Florida). A stipend of US$2,000 plus room and board will be awarded to participants. Applicants chosen to participate in the program will be notified by April 14, 2006.

Applications should consist of the following: (1) a completed application form; (2) a statement describing the expected value of this program to the applicant's goals; (3) two letters of recommendation from mathematical sciences faculty familiar with the applicant's work; (4) a transcript and current resume; and (5) a list of graduate programs to which the applicant has applied, together with a ranked list of her two or three top choices.

The deadline for applications is **March 1, 2006**. Applications should be sent to: EDGE Program, P.O. Box 63, Swarthmore, PA 19081. The EDGE Program is funded by the Andrew W. Mellon Foundation. For more information visit the program's website at `http://www.edgeforwomen.org/`.

—From an EDGE Program announcement

Newton Fellowship Program

The Math for America Foundation (MfA) sponsors the Newton Fellowship Program, which trains mathematically talented individuals to become high school mathematics teachers in New York City. The fellowship provides an aggregate stipend of US$90,000 over five years; a full-tuition scholarship for a master's-level teaching program at one of MfA's partner universities; and ongoing support mechanisms, including mentoring and professional development.

Candidates should hold a bachelor's degree with substantial coursework in mathematics and should be able to demonstrate a strong interest in teaching. Applicants must be willing to commit to a five-year fellowship term in New York City. Individuals who are currently teaching, are certified to teach, or who have completed an education degree program are not eligible. Candidates must be U.S. citizens or permanent residents of the United States. The deadline for applications is **February 10, 2006**. For more detailed information, see the website at `http://www.mathforamerica.org/`.

—From an MfA announcement

News from the CRM Montreal

The Centre de Recherches Mathématiques (CRM) in Montreal, Canada, has announced its thematic program for the spring semester of 2006. The theme of the academic year is analysis in number theory; the spring semester, running from January to May 2006, will focus on classical analysis and analytic number theory. The organizers of the thematic year are Henri Darmon (McGill University), Chantal David (Concordia University, Montreal), and Andrew Granville (University of Montreal).

The following workshops will be held: *February 13–18, 2006*: *L*-Functions and Related Themes; Organizers: Chantal David (Concordia University) and Ram Murty (Queen's University). *March 13–17, 2006:* Anatomy of Integers; Organizers: Jean-Marie de Koninck (University of Laval) and Andrew Granville (University of Montreal). *April 6–12, 2006:* Additive Combinatorics; Organizers: Jozsef Solymosi (University of British Columbia) and Andrew Granville (University of Montreal). *May 13–18, 2006:* Analytic Methods for Diophantine Equations; Organizers: Andrew Granville (University of Montreal), Yuri Tschinkel (University of Göttingen), Michael Bennett (University of British Columbia), Chantal David (Concordia University), and Bill Duke (University of California at Los Angeles). In addition, a summer workshop on Singularities in PDE and the Calculus of Variations will be held from July 17–21, 2006. Organizers are P. Sternberg, L. Bronsard, and S. Alama.

The CRM-Clay School on Additive Combinatorics will be held March 30–April 5, 2006, organized by David Ellwood (Clay Mathematics Institute), Jozsef Solymosi (University of British Columbia), and Andrew Granville (University of Montreal). Lecturers include Ben Green (University of Bristol), Bryna Kra (Northwestern University), Terence Tao (University of California at Los Angeles), and Van H. Vu (University of California at San Diego). Guest lecturers include Tim Gowers (University of Cambridge) and Imre Ruzsa (Alfréd Rényi Institute).

A conference in honor of the sixtieth birthday of Peter Shalen will be held from June 12–14, 2006. The organizers are S. Boyer, D. Canary, M. Cullen, N. Dunfield, and B. Farb.

The Aisenstadt Lecturers will be Manjul Bhargava of Princeton University (March 15–April 15, 2006), Kannan Soundararajan of the University of Michigan (January–June, 2006), and Terence Tao of the University of California at Los Angeles (March 30–April 12, 2006).

Support is available for visitors, graduate students, and postdoctoral fellows to attend the various events. For more information, see `http://www.crm.umontreal.ca`.

—From a CRM announcement