Mathematics Opportunities

Enhancing the Mathematical Sciences Workforce in the 21st Century

The National Science Foundation has launched a new program called Enhancing the Mathematical Sciences Workforce in the 21st Century (EMSW21). The long-range goal of the program is 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 in other NSF-supported disciplines. EMSW21 builds on the VIGRE (Vertical Integration of Research and Education in the Mathematical Sciences) program and now includes a broadened VIGRE activity, a component for Research Training Groups (RTG) in the Mathematical Sciences, and a component for Mentoring through Critical Transition Points (MCTP) in the Mathematical Sciences.

The program solicitation is available at `http://www.nsf.gov/pubsys/ods/getpub.cfm?nsf03575`. It replaces NSF 02-120 (VIGRE). The proposal deadline is **September 16** each year.

—From an NSF announcement

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 2004 competition for FRG grants. The deadline for receipt of the required letters of intent to submit FRG proposals is **August 20, 2004.** The deadline date for full proposals is **September 17, 2004.**

The FRG solicitation may be found on the Web at `http://www.nsf.gov/pubs/2002/nsf02129/nsf02129.htm`.

—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 for research in pure mathematics, applied mathematics and operations research, and statistics. The deadline for this year's applications is **October 15, 2004.** Applications must be submitted via FastLane on the World Wide Web. Go to `http://www.fastlane.nsf.gov/` and click on "Postdoctoral Fellowships". Information can be found there for the Mathematical Sciences Postdoctoral Research Fellowships, as well as other NSF fellowship opportunities. For more information, telephone the DMS at 703-306-1870 or send email to `msprf@nsf.gov`.

—From an NSF announcement

AMS Scholarships for "Math in Moscow"

The Independent University of Moscow has created a program called "Math in Moscow", which offers foreign students (undergraduate or graduate students specializing in

mathematics and/or computer science) the chance to spend a semester in Moscow studying mathematics. The AMS provides a small number of scholarships to students to attend the program.

Math in Moscow provides students with a fifteen-week program similar to the Research Experiences for Undergraduates programs that are held each summer across the United States. Math in Moscow draws on the Russian tradition of teaching mathematics, which emphasizes creative approaches to problem solving. The focus is on developing in-depth understanding of carefully selected material rather than broad surveys of large quantities of material. Discovering mathematics under the guidance of an experienced teacher is the central principle of Math in Moscow. Most of the program's teachers are internationally recognized research mathematicians, and all of them have considerable teaching experience in English, typically in the United States or Canada. All instruction is in English.

With funding from the National Science Foundation (NSF), the AMS awards each semester five $5,000 scholarships to U.S. students to attend the Math in Moscow program. To be eligible for the scholarships, students must submit applications to *both* the Math in Moscow program and to the AMS. An applicant should be an undergraduate mathematics or computer science major enrolled at a U.S. institution. **April 15** is the deadline for scholarship applications for the fall semester immediately following that date; **September 30** is the deadline for the spring semester.

Information and application forms for Math in Moscow are available on the Web at `http://www.mccme.ru/mathinmoscow` or by writing to: Math in Moscow, P.O. Box 524, Wynnewood, PA 19096; fax +7095-291-65-01; email: `mim@mccme.ru`. Information and application forms for the AMS scholarships are available on the Web at `http://www.ams.org/employment/mimoscow.html` or by writing to: Math in Moscow Program, Membership and Programs Department, American Mathematical Society, 201 Charles Street, Providence, RI 02904; email: `prof-serv@ams.org`.

—Allyn Jackson

Call for Submissions for Sunyer i Balaguer Prize

Ferran Sunyer i Balaguer (1912–1967) was a self-taught Catalan mathematician who despite a serious physical disability was very active in research in classical analysis, an area in which he acquired international recognition. Each year in honor of the memory of Ferran Sunyer i Balaguer the Institut d'Estudis Catalans awards an international research prize bearing his name.

The prize is awarded for a mathematical monograph of an expository nature presenting the latest developments in an active area of research in mathematics in which the author has made important contributions. The monograph should be written in English and should be at least 150 pages long.

The prize, amounting to 10,000 euros (about US$8,600), is provided by the Ferran Sunyer i Balaguer Foundation. The winning monograph will be published in Birkhäuser Verlag's series Progress in Mathematics, subject to the usual regulations concerning copyright and author's rights.

Submissions should be sent before **December 1, 2004,** to: Fundació Ferran Sunyer i Balaguer, Carrer del Carme, 47, E-08001 Barcelona, Spain. For further information visit the website `http://www.crm.es/FerranSunyerBalaguer/ffsb.htm` or send email to `ffsb@crm.es`.

—From an Insitut d'Estudis Catalans announcement