
Mathematics Opportunities

NSF-CBMS Regional Conferences for 1995

Contingent upon funding from the National Science Foundation (NSF), the Conference Board on the Mathematical Sciences (CBMS) will hold seven NSF-CBMS Regional Conferences. Each five-day conference features a distinguished lecturer who delivers ten lectures on one sharply focused area of the mathematical sciences. The lecturer also prepares an expository monograph based on the lectures, to be published, depending upon the area, by the AMS, the Society for Industrial and Applied Mathematics, or jointly by the American Statistical Association and the Institute of Mathematical Statistics.

For each conference, support for about thirty participants will be provided. Organizers will invite both established researchers and interested newcomers, including postdoctoral researchers and graduate students.

Below is a list of the titles, principal speakers, dates, locations, and organizers of the 1995 NSF-CBMS Regional Conferences.

Numerical Linear Algebra on Parallel Processors, James W. Demmel, June 12–16, University of San Francisco. Contact: Peter S. Pacheco, 415-666-6630, peter@usfca.edu.

Approximation Dynamics with Applications to Numerical Analysis, George R. Sell, June 1–5, University of Missouri, Columbia. Contact: Carmen Chicone and Yuri Latushkin, 314-882-6331 and 314-882-8275, carmen@chicone.cs.missouri.edu and mathyl@mizzou1.missouri.edu.

Nondestructive Evaluation and Inverse Problems, Gunther Uhlmann, June 12–16, University of Kentucky. Contact: Peter D. Hislop and Russell M. Brown, 606-257-5637 and 606-257-3951, hislop@ms.uky.edu and rbrown@ms.uky.edu.

Probabilistic Aspects of Single Orbit Dynamics, Benjamin Weiss, June 18–22, California State University, Bakersfield. Contact: Kamel N. Haddad, 805-664-2150, khaddad@ultrix5.csubak.edu.

Tight Closure, Big Cohen-Macaulay Algebras and Uniform Artin Rees Theorem, Craig Huneke, June 25–29, North Dakota State University. Contact: Joseph Brennan, 701-231-8195, brennan@plains.nodak.edu.

Probability, Algorithms, and Combinatorial Optimization, J. Michael Steele, July 17–21, Michigan Technological University. Contact: Anant P. Godbole, 906-487-2884, anant@math.mtu.edu.

Index Theory, Coarse Geometry and Topology of Manifolds, John Roe, August 15–19, University of Colorado, Boulder. Contact: Carla E. Farsi, Guoliang Yu, and Jeffrey S. Fox, 303-492-7422, 303-492-2396, and 303-492-6418, farsi@euclid.colorado.edu, gyu@euclid.colorado.edu, and jfox@euclid.colorado.edu.

Proposals are invited for NSF-CBMS Regional Conferences for 1996. Five to seven conferences are planned.

The NSF-CBMS Regional Conferences focus on a single important and timely area of research by a leading practitioner in order to insure that the participants, especially new and recent entrants to the field, gain a deeper understanding of the major outstanding problems and current research directions than they would get in a typical conference format, in which many people present talks on their own results. In addition, the conferences are designed to provide stimulus for research in the geographical regions in which the conferences are held.

Colleges or universities with at least some research competence in a particular field are eligible to apply. Since a major goal of these conferences is to stimulate new research activity, institutions interested in upgrading or improving their research efforts are especially encouraged to apply.

Proposals will be reviewed by a panel of research mathematicians appointed by the NSF and CBMS and representing a wide spectrum of research in the mathematical sciences. Proposed conferences for 1996 should generally be scheduled to occur sometime after the end of classes in May 1996 but may also be scheduled for December 1996 or January 1997, when most universities are in recess.

Proposals must arrive at the NSF by **April 3, 1995**. For more information, contact: Conference Board of the Mathematical Sciences, 1529 Eighteenth Street, N.W., Washington, DC 20036; telephone 202-293-1170.

—from CBMS Announcement

Travel Grants for Women

The Association for Women in Mathematics (AWM), with support from the National Science Foundation (NSF), sponsors a program of travel grants for women mathematicians.

The objective of the NSF-AWM Travel Grants is to enable women to attend research conferences in their fields, thereby providing a valuable opportunity to advance their research activities and their visibility in the research community. Having more women attend such meetings also increases the size of the pool from which speakers at subsequent meetings may be drawn and thus addresses the persistent problem of the absence of women speakers at some research conferences.

The travel grants provide full or partial support for travel and subsistence for a meeting or conference in the applicant's field of specialization. A maximum of \$1,000 for domestic travel and of \$2,000 for foreign travel will be applied. For foreign travel, U.S. carriers must be used whenever possible.

These travel funds are provided by the Division of Mathematical Sciences of NSF, and the research conference must be in an area supported by the Division. For example, this includes certain areas of statistics, but excludes most mathematics education and history of mathematics. To be eligible, an applicant must be a woman with a doctorate (or equivalent experience) and with a work address in the USA (or home address, in case of unemployed mathematicians). Anyone who has been awarded an AWM-NSF Travel Grant in the past two years, or who has other sources of external funding, such as a regular NSF grant, is ineligible. Partial institutional support, however, does not make an applicant ineligible.

There will be three award periods per year, with applications due **February 1**, **May 1**, and **October 1**. An applicant should send five copies of: 1) a description of her current research and of how the proposed travel would benefit her research program, 2) her curriculum vitae, 3) a budget for the proposed travel, and 4) information about all other sources of travel funding available to the applicant.

Send five copies of the application to: Travel Grant Selection Committee, Association for Women in Mathematics, 4114 Computer & Space Sciences Building, University of Maryland, College Park, Maryland 20742-2461. Those with questions can telephone the AWM at 301-405-7892, or send e-mail to awm@math.umd.edu.

—AWM Announcement

Postdoctoral Positions at ETH

The Eidgenössische Technische Hochschule in Zürich, Switzerland, will have open two 1-year postdoctoral fellowship positions to start in the fall of 1995. Those interested should send a curriculum vitae and three letters of reference to: Department of Mathematics, ETH Zürich, Rämistrasse 101, CH-8092, Zürich, Switzerland. The deadline is **January 31, 1995**.

—from ETH Announcement