Mathematics Opportunities

Conference Announcement

The Summer Mathematics Experience: A Working Conference on Summer Mathematics Programs for Undergraduates, organized by the AMS and funded by the National Security Agency, will take place Thursday, September 30, 1999–Sunday, October 3, 1999, in the Washington, DC, area.

The goals of the conference include: identifying best practices in summer programs for undergraduates, building a network of faculty who work on such programs, using these programs to increase the number of mathematicians from historically underrepresented groups, and identifying successful assessment techniques for such programs. The AMS will publish a conference proceedings.

The majority of conference participants will be invited by the AMS because of their experience in designing and running undergraduate summer programs. In addition to these participants, the conference organizing committee invites faculty who have an interest in and history of working with undergraduates in summer mathematics programs or who have worked with undergraduates on research projects outside the classroom to apply to participate in the conference.

To apply, please submit:

1. A statement of interest (200–500 words) that describes your experience with undergraduate summer mathematics programs and how you might contribute to the success of the conference.

2. A curriculum vitae.

Applications should be sent to: Dr. James Maxwell, Professional Programs and Services, American Mathematical Society, P. O. Box 6248, Providence, RI 02940-6248.

Applications must be postmarked by **March 15, 1999**. Applicants will be notified of acceptance or not by April 15, 1999. For more information please contact the conference organizing committee: Joseph A. Gallian (jgallian@d.umn.edu, 218-726-7576), Herbert A. Medina (hmedina@popmail.lmu.edu, 310-338-5113), and Deborah Nolan (nolan@stat.berkeley.edu, 510-643-7097).

—From James Maxwell

1999 NSF-CBMS Regional Conferences

With funding from the National Science Foundation (NSF), the Conference Board of the Mathematical Sciences (CBMS) will hold five NSF-CBMS Regional Research Conferences during the summer of 1999. These conferences are intended to stimulate interest and activity in mathematical research.

Each five-day conference features a distinguished lecturer who will deliver ten lectures on a topic of importance in current research. Support for about thirty participants will be provided for each conference. Established researchers and interested newcomers, including postdoctoral fellows and graduate students, are invited to attend.

The title of each conference follows, along with the name of the principal speaker, the date and location of the conference, and the names of the organizers, as well as contact information. More information about the conferences can also be found at the Web site http://www.maa.org/cbms/nsf/99nsf.html or by contacting the Conference Board of the Mathematical Sciences, 1529 18th St., NW, Washington, DC 20036-1385; telephone 202-293-1170; fax 202-265-2384; e-mail: kolbe@math.georgetown.edu or rosier@math.georgetown.edu.

Combinatorial Optimization: Packing and Covering, Gérard P. Cornuéjols, May 24–28, University of Kentucky. Organizers: Jon Lee, Michael Jacobson, Carl Lee, Kristina Vuskovic, Andre Kezdy, Jeno Lehel. Telephone: 606-257-3336; e-mail: kristina@ms.uky.edu; World Wide Web: http://www.ms.uky.edu/~jlee/cbms.html.

Generalized Linear Mixed Models and Related Topics, Charles E. McCulloch, June 8–12, University of Florida. Organizer: James G. Booth. Telephone: 352-392-1941; e-mail:

jbooth@stat.ufl.edu; World Wide Web: http://www.stat.ufl.edu/.

Mathematical Analysis of Viscoelastic Flows, Michael Renardy, June 19–23, University of Delaware. Organizers: David O. Olagunju, Yuriko Renardy. Telephone: 302-831-1875; e-mail: Olagunju@math.udel.edu or renardy@math.vt.edu; World Wide Web: http://www.math.udel.edu/.

Statistical Inference from Genetic Data on Pedigrees, Elizabeth A. Thompson, July 19–23, Michigan Technological University. Organizers: Jianping Dong, Anant Godbole. Telephone: 906-487-2928; e-mail: jdong@mtu.edu or anant@mtu.edu; World Wide Web: http://www.math.mtu.edu/~jdong/CBMS.html.

Mathematical Control Theory of Coupled Systems of Partial Differential Equations, Irena Lasiecka, August 5–9, University of Nebraska. Organizer: Richard Rebarber. Telephone: 402-472-7235; e-mail: rrebarbe@math.unl.edu; World Wide Web: http://www.math.unl.edu/Dept/Conferences/CBMS/.

—From a CBMS announcement

IAS/Park City Mathematics Institute

The Institute for Advanced Study (IAS)/Park City Mathematics Institute (PCMI) will hold its 1999 summer session from June 20–July 10, 1999. The topic is arithmetic algebraic geometry, and the organizers are Karl Rubin (Stanford University) and Brian Conrad (Harvard University).

The IAS/PCMI began in 1991 at the University of Utah as a National Science Foundation Regional Geometry Institute. In 1993 the Institute for Advanced Study assumed sponsorship of the program. Each summer the Institute offers an integrated set of programs for researchers, postdoctorates, graduate and undergraduate students, and teachers. The Institute also sponsors a Mentoring Program for Women in Mathematics, organized by Karen Uhlenbeck (University of Texas, Austin) and Chuu-Lian Terng (Northeastern University).

Further information on the Institute and the Mentoring Program for Women, as well as on application procedures, is available at the Web site http://www.admin.ias.edu/ma/park.htm.

—From an IAS/PCMI announcement

Special Minisymposium at ICIAM 99

A minisymposium for women postdoctoral researchers will be held at the Fourth International Congress on Industrial and Applied Mathematics (ICIAM 99), July 5–9, 1999, in Edinburgh, Scotland. The symposium is being sponsored jointly by the Association for Women in Mathematics (AWM), European Women in Mathematics (EWM), and the Society for Industrial and Applied Mathematics (SIAM).

Four speakers are being sought for the symposium. Each selected speaker will present a 30-minute talk on her research in applied mathematics. The speakers will be chosen from women mathematicians working in the United States, Europe, and throughout the world. All applicants must have a doctoral degree awarded no earlier than July 1989. The National Science Foundation and the Office of Naval Research have provided funds for travel support for up to two speakers from the United States who must be U.S. citizens or noncitizens working in the United States. Limited funding for European speakers may be available from EWM.

The deadline for application is **February 28, 1999.** Further information and instructions for applying may be obtained at the AWM Web site, http://www.awm-math.org/workshops.html or by contacting the AWM at 301-405-7892 or by e-mail at awm@math.umd.edu.

—From an AWM announcement

Travel Grants for Women in Mathematics

The Association for Women in Mathematics (AWM) is offering grants for women mathematicians to travel to professional conferences in their fields and also to the Olga Taussky Todd Celebration of Careers in Mathematics for Women.

The AWM travel grants program, which is sponsored by the National Science Foundation (NSF), allows women mathematicians to attend research conferences in fields that are supported by the Division of Mathematical Sciences of the NSF. The grants provide full or partial support for travel and subsistence up to a maximum of $1,000 for domestic and $2,000 for foreign travel.

Applicants must be women who have a doctorate or equivalent experience and have a work (or home, if unemployed) address in the United States. The deadline for receipt of applications is **February 1, 1999**.

Travel grants are also available for women graduate students and recent Ph.D.'s (not yet tenured) to attend the Olga Taussky Todd Celebration, July 16–18, 1999, at the Mathematical Sciences Research Institute (MSRI) in Berkeley, California. Funding is being provided by the National Security Agency (NSA), MSRI, the Office of Naval Research (ONR), and AWM.

The celebration will feature lectures showcasing the research of outstanding women in mathematics and talks by established mathematicians working in government, business, industry, and academia. Applicants who receive travel funds will present their work in a poster session or a talk and will receive reimbursement for travel costs (up to $600) and 2.5 days' subsistence at $150 per diem for meals and lodging. The deadline to apply for these travel funds is **February 18, 1999**.

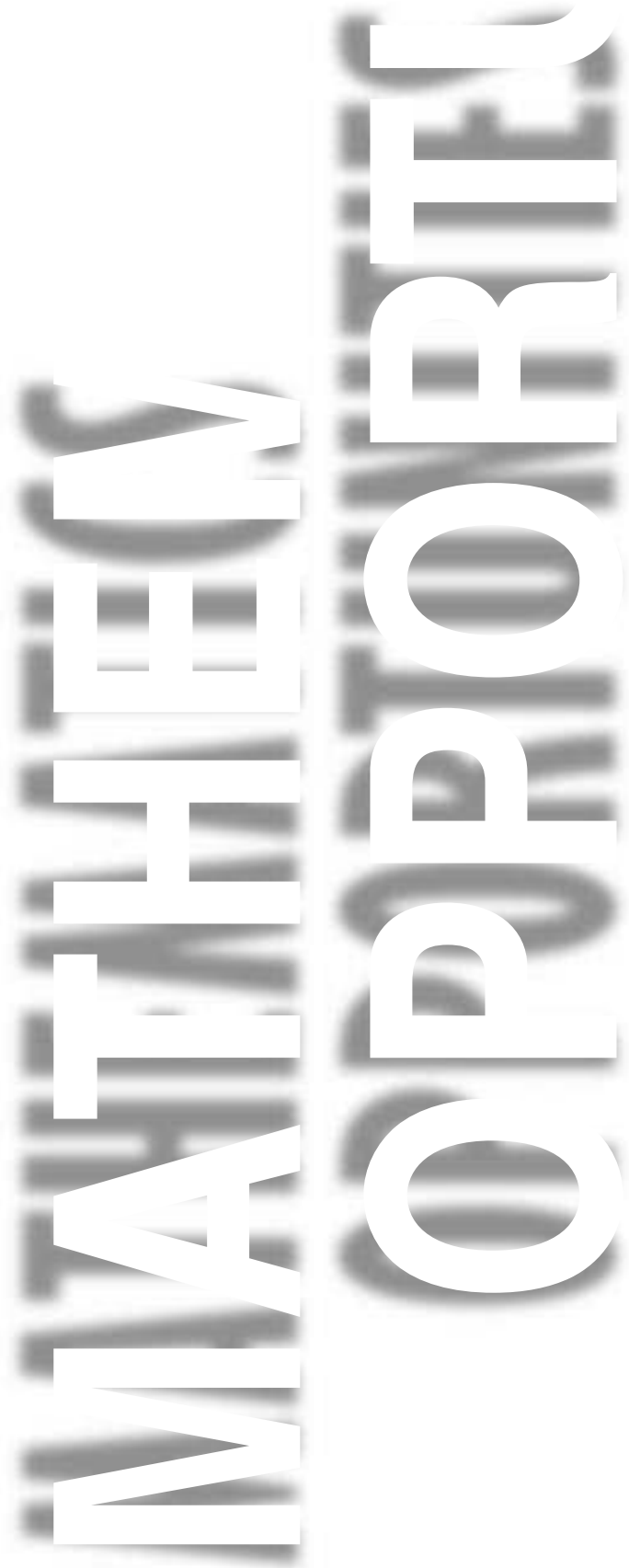
Further information about the Todd Celebration and about travel grants in general, as well as about application procedures, can be obtained on the AWM Web site, http://www.awm-math.org/, by telephone at 301-405-7892, or by e-mail at awm@math.umd.edu.

—From the AWM

Prize for Achievement in Information-Based Complexity

This annual prize, given by a group of people interested in the area of information-based complexity, is for outstanding achievement in information-based complexity. It will consist of three thousand dollars ($3,000) and a certificate and will be awarded at a suitable location. The initial prize committee will consist of Joseph F. Traub and Henryk Wozniakowski. Anyone other than current members of the prize committee is eligible. The members of the prize committee would appreciate nominations for the prize. However, a person does not have to be nominated to win the award.

The deadline for the first award is **March 31, 1999**. The achievement can be based on work done in a single year, over a number of years, or over a lifetime. It can be published in any journal, or number of journals, or monographs.

Nominations can be sent to Joseph F. Traub, Computer Science Department, Columbia University, 1214 Amsterdam Avenue, MC0401, New York, NY 10027; e-mail traub@cs.columbia.edu.

—From Joseph F. Traub