
Mathematics Opportunities

Postdoctoral Grants at the Mittag-Leffler Institute

The Mittag-Leffler Institute in Djursholm, Sweden, announces a number of grants for the year 1997–1998. The program of the Institute starts on September 1 and ends on May 31. The grants are intended for recent Ph.D.s or advanced graduate students and amount to 12,000 Swedish crowns per month. Preference will be given to applications for longer stays, either for one semester or for the whole year.

The subject for 1997–1998 is “Computational Methods for Differential Equations”. In the fall semester the program will focus on applications, such as equations from fluid dynamics, while in the spring partial differential equations will be the main theme. Björn Engquist (fall) and Vidar Thomée (spring) will be the scientific directors. Engquist and Thomée are also on the program committee, along with Claes Johnson and Heinz-Otto Kreiss.

The following experts have already agreed to take part in the program for an extended period: D. Arnold, N. S. Bakhvalov, G. Beylkin, P. Bjørstad, J. H. Bramble, Y. Brenier, A. Bressan, F. Brezzi, M. Crouzeix, C. Dafermos, E. Diakonov, C. Elliott, D. Estep, R. Falk, H. Freistühler, T. Hagström, H. Holden, V. Lebedev, P. Le Floch, T.-P. Liu, J. Lorenz, P. Marcati, D. Marini, W. McLean, K. Morton, J.-C. Nédélec, O. Nevanlinna, S. Osher, J. Pasciak, B. Perthame, R. Rannacher, V. Ryaben’kiĭ, J. M. Sanz-Serna, R. Scott, S. Serdyukova, D. Serre, C.-W. Shu, I. Sloan, P. Souganidis, E. Stephan, E. Süli, G. Söderlind, R. Temam, A. Tveito, R. Verfürth, M. Vogelius, L. Wahlbin, W. Wendland, O. Widlund, R. Winther, and K. Zumbrun.

Applicants for these grants must work within the area of the program and must be either an advanced graduate student or a recent Ph.D. (no more than 5 years after the Ph.D. at the start of the program on September 1, 1997). The deadline for the submission of application forms is **March 31, 1997**. Decisions on awards will be made by mid-April 1997. Inquiries may be directed to: Björn Engquist, NADA, KTH, S-100 44 Stockholm, Sweden (e-mail engquist@nada.kth.se); or to Vidar Thomée, Matematiska Institutionen, CTH, S-412 96 Göteborg, Sweden (e-mail thomee@math.chalmers.se).

—Mittag-Leffler Institute Announcement

Project NExT

Project NExT (New Experiences in Teaching) is a program for new or recent Ph.D.s in the mathematical sciences who are interested in improving the teaching and learning of undergraduate mathematics. Faculty who are just beginning or just completing their first year of full-time teaching at the college/university level are invited to apply to become Project NExT Fellows.

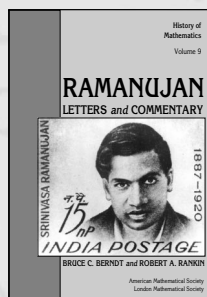
The first event for the 1997–1998 Fellows will be a Workshop, July 30–August 1, 1997, just prior to the Mathfest, the summer meeting of the Mathematical Association of America (MAA) in Atlanta, Georgia (August 2–4, 1997). At this workshop, Fellows will explore and discuss issues of special relevance to beginning faculty, including: new approaches to teaching calculus and precalculus; alternative methods of teaching and assessing student learning; using technology in the classroom; lessons from peda-



**AMERICAN
MATHEMATICAL
SOCIETY**

*From the History
of Mathematics Series*

RAMANUJAN LETTERS and COMMENTARY



Bruce C. Berndt,
*University of Illinois,
Urbana*

Robert A. Rankin,
*University of Glasgow,
Scotland*

Ramanujan's letters of January 16 and February 27 (1913) to G. H. Hardy are two of the most famous letters written in the history of mathematics. After introducing himself as "a clerk in the Accounts Department of the Port Trust Office at Madras," Ramanujan began to relate some of his mathematical discoveries. In these letters, he set forth over 100 of his theorems.

Hardy's receipt of Ramanujan's first letter marks the dawning of the recognition of Ramanujan's remarkable mathematical talents. The book contains many never-before-published letters that still influence contemporary research in mathematics. Berndt and Rankin discuss in detail the history, up to the present, of each mathematical result in the letters.

1995, 347 pp., Hardcover; ISBN 0-8218-0287-9; All AMS members \$47*, List \$59. To order please specify HMATH/9NA

Customers in India, please contact *Affiliated East-West Press Private Ltd.*, 62-A Ornes Road, Kilpauk, Madras 600 010 INDIA; Fax 044-825-7258.

*Co-published with the London Mathematical Society. Members of the LMS may order directly from the AMS at the AMS member price. The LMS is registered with the Charity Commissioners.



All prices subject to change. Charges for delivery are \$3.00 per order. For air delivery outside of the continental U. S., please include \$6.50 per item. *Prepayment required.* Order from: **American Mathematical Society**, P. O. Box 5904, Boston, MA 02206-5904. For credit card orders, fax (401) 331-3842 or call toll free 800-321-4AMS (4267) in the U. S. and Canada, (401) 455-4000 worldwide. Or place your order through the AMS bookstore at <http://www.ams.org/bookstore/>. Residents of Canada, please include 7% GST.

Mathematics Opportunities

gical research; and the faculty member as teacher and scholar. The Fellows will also have an opportunity to meet and interact with Fellows who began the program in previous years.

Invited speakers include: Gerald Alexanderson, Santa Clara University, MAA President; Sylvia Bozeman, Spelman College; Joseph Gallian, University of Minnesota-Duluth; Anita Solow, DePauw University; and M. Kathleen Heid, Pennsylvania State University.

Following the workshop, Project NEXt Fellows will attend the Mathfest, participating in all the opportunities of that meeting, and choose among special short courses on issues in teaching and learning collegiate mathematics. During the following year, Project NEXt Fellows will participate in: a network that links Project NEXt Fellows with one another and with distinguished teachers of mathematics; special events at the Joint Mathematics Meetings in Baltimore, MD, January 7-10, 1998; and a second workshop in the summer of 1998.

Approximately sixty Project NEXt Fellows will be selected for the 1997-98 year. Funding for room and board at the workshop in Atlanta, GA, and for the short courses at the summer 1997 Mathfest will be provided for participants. Institutions employing the Project NEXt Fellows are expected to provide financial assistance for travel and attendance at the national meetings. Limited funds are available to assist those institutions unable to afford full or partial support.

The deadline for applications to participate in Project NEXt in 1997-98 is **April 25, 1997**. Applications received after that date will be considered only if space is still available. Applicants will be notified by June 1, 1997, whether they have been selected as Project NEXt Fellows. Application forms are available on the Project NEXt home page (<http://archives.math.utk.edu/projnext/>) or from James R. C. Leitzel at the address given below.

For further information contact either of the project co-directors, whose names and addresses follow.

James R. C. Leitzel, Department of Mathematics, University of New Hampshire, Kingsbury Hall, 33 College Road, Durham, NH 03824; telephone 603-862-4546; e-mail rc1@christa.unh.edu.

T. Christine Stevens, Department of Mathematics and Computer Science, Saint Louis University, 221 North Grand Boulevard, Saint Louis, MO 63103; telephone 314-977-2444; e-mail stevensc@slu.edu.

Project NEXt is sponsored by the MAA. Funding is pending.

—Project NEXt Announcement