

Klotz and Krulik Receive NCTM Lifetime Achievement Awards

The National Council of Teachers of Mathematics (NCTM) has presented Mathematics Education Trust Lifetime Achievement Awards for Distinguished Service to Mathematics Education to EUGENE A. KLOTZ and STEPHEN KRULIK. Klotz, retired from Swarthmore College, was among the first to realize the potential of technology to support mathematics learning. He launched the multimedia Visual Geometry Project, which eventually expanded to become the Math Forum. Krulik taught at Temple University for more than forty years, sharing his passion for and knowledge of mathematics through hundreds of presentations and in numerous publications spanning five decades.

—From NCTM announcements

National Academy of Sciences Elections

The National Academy of Sciences (NAS) has elected seventy-two new members and eighteen foreign associates for 2011. Following are the new members whose work involves the mathematical sciences: JAMES W. DEMMEL, University

of California Berkeley; DAVID GABAI, Princeton University; STUART GEMAN, Brown University; JOSEPH HARRIS, Harvard University; JON M. KLEINBERG, Cornell University; LESLIE LAMPORT, Microsoft Research; and ANDREW STROMINGER, Harvard University. Elected as a foreign associate was JEAN BOURGAIN of the Institute for Advanced Study.

—From an NAS announcement

AAAS Elects New Members

The American Academy of Arts and Sciences (AAAS) has chosen 212 new members and 16 foreign honorary members for 2011. Following are the names and affiliations of the new members who work in the mathematical sciences or whose work involves considerable mathematics: MARSHA BERGER, Courant Institute of Mathematical Sciences, New York University; EDMUND M. CLARKE, Carnegie Mellon University; ALEX ESKIN, University of Chicago; SYLVESTER JAMES GATES JR., University of Maryland; THOMAS Y. HOU, California Institute of Technology; MICHAEL I. JORDAN, University of California Berkeley; KAZUYA KATO, University of Chicago; GREGORY W. MOORE, Rutgers University; LAURENT SALOFF-COSTE, Cornell University; PETER SHOR, Massachusetts Institute of Technology; AVI WIGDERSON, Institute for Advanced Study; and SHOU-WU ZHANG, Columbia University.

—From an AAAS announcement

Mathematics Opportunities

Call for Entries for Balaguer Prize

The Ferran Sunyer i Balaguer Foundation invites entries for the 2012 Ferran Sunyer i Balaguer Prize. The prize will be awarded for a mathematical monograph of an expository nature presenting the latest developments in an active area of research in mathematics. The prize consists of 15,000 euros (approximately US\$21,500) and publication of the winning monograph in Birkhäuser-Verlag's series *Progress in Mathematics*. The deadline for submission is December 2, 2011. For more information see the website <http://ffsb.iec.cat>.

—From a Ferran Sunyer i Balaguer Foundation announcement

Call for Nominations for Otto Neugebauer Prize

The European Mathematical Society (EMS) is seeking nominations for the Otto Neugebauer Prize for the History of Mathematics. The prize will be awarded "for

highly original and influential work in the field of history of mathematics that enhances our understanding of either the development of mathematics or a particular mathematical subject in any period and in any geographical region." The award comprises a certificate including the citation and a cash prize of 5,000 euros (approximately US\$7,000). The deadline for nominations is December 31, 2011. For further information see the website <http://www.euro-math-soc.eu/node/995>.

—From an EMS announcement

Call for Nominations for Raymond J. Carroll Young Investigator Award

The Department of Statistics at Texas A&M University is seeking nominations for the Raymond J. Carroll Young Investigator Award. The award is presented every two years to an outstanding young researcher in statistical science. The awardee must have completed his or her Ph.D. within the ten years preceding the award and must have demonstrated outstanding scholarly contributions in statistical

methodology and applications. Nominations must be written and must include a curriculum vitae. Nominators are encouraged to supply supporting documents such as letters of recommendation. Self-nominations are invited and encouraged. Correspondence by email is preferred but not required. The deadline for award submissions is **August 15, 2011**. Nominations and supporting documents should be sent to Professor Jeff Hart, Chair, Raymond J. Carroll Young Investigator Award, Department of Statistics, Texas A&M University, 3143 TAMU, College Station, Texas 77843-3143; email: hart@stat.tamu.edu.

—From a Texas A&M University 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 2011 competition for FRG grants. The deadline for receipt of the required letters of intent to submit FRG proposals is **August 19, 2011**. The deadline date for full proposals is **September 16, 2011**. The FRG solicitation may be found on the Web at http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5671.

—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 that are designed to permit awardees to choose research environments that will have maximal impact on their future scientific development. Awards of these fellowships are made for appropriate research in areas of the mathematical sciences, including applications to other disciplines. Fellows may opt to choose either a research fellowship or a research instructorship. The deadline for this year's applications is **October 19, 2011**. Applications must be submitted via FastLane on the World Wide Web. For more information see the website http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5301.

—From an NSF announcement

NSA Mathematical Sciences Grants and Sabbaticals Program

As the nation's largest employer of mathematicians, the National Security Agency (NSA) is a strong supporter of the academic mathematics community in the United States. Through the Mathematical Sciences Program, the NSA

provides research funding and sabbatical opportunities for eligible faculty members in the mathematical sciences.

Grants for Research in Mathematics. The Mathematical Sciences Program (MSP) supports self-directed, unclassified research in the following areas of mathematics: algebra, number theory, discrete mathematics, probability, and statistics. The Research Grants program offers three types of grants: the Young Investigators Grant, the Standard Grant, and the Senior Investigators Grant. The program also supports conferences and workshops (typically in the range of US\$15,000–\$20,000) in these five mathematical areas. The program does not entertain research or conference proposals that involve cryptology. A Special Situation Proposal category is for research experience for undergraduates or events that do not fall within the typical “research” conference format. In particular, MSP is interested in supporting efforts that increase broader participation in the mathematical sciences, promote wide dissemination of mathematics, and promote the education and training of undergraduates and graduate students. Principal investigators, graduate students, and all other personnel supported by NSA grants must be U.S. citizens or permanent residents of the United States at the time of proposal submission. Proposals should be submitted **electronically by October 15, 2011**, via the program website: http://www.nsa.gov/research/math_research/index.shtml.

Sabbatical Program. NSA's Mathematics Sabbatical Program offers mathematicians, statisticians, and computer scientists the unique opportunity to develop skills in directions that would be nearly impossible anywhere else. Sabbatical employees work side by side with other NSA scientists on projects that involve cryptanalysis, coding theory, number theory, discrete mathematics, statistics and probability, and many other subjects. Visitors spend 9–24 months at NSA, and most find that within a very short period of time they are able to make significant contributions.

NSA pays 50 percent of salary and benefits during academic months and 100 percent of salary and benefits during summer months of the sabbatical detail. A monthly housing supplement is available to help offset the cost of local lodging. On average, three sabbatical positions are available per year.

Applicants must be U.S. citizens and must be able to obtain a security clearance. A complete application includes a cover letter and curriculum vitae with list of significant publications. The cover letter should describe the applicant's research interests, programming experience and level of fluency, and how an NSA sabbatical would affect teaching and research upon return to academia. Additional information is available about the Sabbatical Program at the following website: http://www.nsa.gov/research/math_research/sabbaticals/index.shtml.

For more information about the Grants or Sabbatical Program, please contact the program office at 301-688-0400. You may also send email correspondences to mspgrants@nsa.gov.

—Mathematical Sciences Program announcement

Research Experiences for Undergraduates

The Research Experiences for Undergraduates (REU) program supports active research participation by undergraduate students in any of the areas of research funded by the National Science Foundation (NSF). Student research may be supported in two forms: REU supplements and REU sites.

REU supplements may be requested for ongoing NSF-funded research projects or may be included in proposals for new or renewal NSF grants or cooperative agreements.

REU sites are based on independent proposals to initiate and conduct undergraduate research participation projects for a number of students. REU site projects may be based in a single discipline or academic department or on interdisciplinary or multidepartment research opportunities with a strong intellectual focus. Proposals with an international dimension are welcomed. A partnership with the Department of Defense supports REU sites in research areas relevant to defense. Undergraduate student participants supported with NSF funds in either supplements or sites must be citizens or permanent residents of the United States or its possessions.

Students may not apply to NSF to participate in REU activities. Students apply directly to REU sites and should consult the directory of active REU sites on the Web at http://www.nsf.gov/crssprgm/reu/reu_search.cfm. The deadline for full proposals for REU sites is **August 24, 2011**. Deadline dates for REU supplements vary with the research program; contact the program director for more information. The full program announcement can be found at the website <http://www.nsf.gov/pubs/2009/nsf09598/nsf09598.htm>.

—From an NSF announcement

Call for Nominations for 2011 Sacks Prize

The Association for Symbolic Logic (ASL) invites nominations for the 2011 Sacks Prize for the most outstanding doctoral dissertation in mathematical logic. The Sacks Prize consists of a cash award and five years' free membership in the ASL. Dissertations must have been defended by **September 30, 2011**.

General information about the prize is available at <http://www.aslonline.org/info-prizes.html>. For details about nomination procedures, see http://www.aslonline.org/Sacks_nominations.html.

—From an ASL announcement

PIMS Postdoctoral Fellowships

The Pacific Institute for the Mathematical Sciences (PIMS) invites nominations of outstanding young researchers in the mathematical sciences for postdoctoral fellowships for the year 2012–2013. **Please note that the deadline for**

receipt of applications has been changed to December 1. Candidates must be nominated by at least one scientist or by a department (or departments) affiliated with PIMS. The fellowships are intended to supplement support provided by the sponsor and are tenable at any of its Canadian member universities: Simon Fraser University, the University of Alberta, the University of British Columbia, the University of Calgary, the University of Victoria, University of Regina, and the University of Saskatchewan, as well as at the PIMS affiliates, the Universities of Lethbridge and Northern British Columbia.

For the 2012–2013 competition, to be held in January of 2012, the amount of the award will be C\$20,000 (approximately US\$20,400) and the sponsor(s) is (are) required to provide additional funds to finance a minimum total stipend of C\$40,000 (approximately US\$41,000). Rankings of candidates are made by the PIMS PDF Review Panel based on the qualifications of the candidate, his or her potential for participation in PIMS programs, and his or her potential involvement with PIMS partners. PIMS postdoctoral fellows will be expected to participate in all PIMS activities related to the fellow's area of expertise and will be encouraged to spend time at more than one site. To ensure that PIMS postdoctoral fellows are able to participate fully in institute activities, they may not teach more than two single-term courses per year.

Nominees must have a Ph.D. or equivalent (or expect to receive a Ph.D. by December 31, 2012) and be within three years of the Ph.D. at the time of the nomination (i.e., the candidate must have received her or his Ph.D. on or after January 1, 2009). The fellowship may be taken up at any time between September 1, 2012, and January 1, 2013. The fellowship is for one year and is renewable for at most one additional year.

The PIMS PDF nomination/application process takes place entirely online, utilizing the MathJobs service provided by the American Mathematical Society. Having selected their nominees, sponsors direct them to apply online at mathjobs.org/jobs/PIMS. Nominees are required to upload two letters of reference, a curriculum vitae, and a statement of research interests. Sponsors must upload their own reference letters (these are in addition to the two reference letters mentioned above) and a statement of financial support. They will receive instructions as to how to proceed from their nominees via email from MathJobs. Detailed instructions regarding all aspects of the MathJobs application procedure may be found in the online MathJobs user guides. Please note that application is by nomination only; unsolicited applications will not be considered. Please note that all nominees must apply through MathJobs; this includes nominees from PIMS Collaborative Research Groups.

Complete applications must be uploaded to MathJobs by **December 1, 2011**. (Note that this date is two weeks earlier than in previous years.) For further information, visit the website <http://www.pims.math.ca/scientific/postdoctoral> or contact: assistant.director@pims.math.ca.

—PIMS announcement