transitive relations on the first uncountable ordinal, and made a deep study of compact subsets of the Baire class 1 functions, thus continuing work of Bourgain, Fremlin, Talagrand, and others in Banach space theory. Together with P. Larson he completed the solution of Katetov's old compact spaces metrization problem. Among the most striking recent accomplishments of Todorcevic (and coauthors) are major contributions to the von Neumann and Maharam problems on Boolean algebras; the theory of nonseparable Banach spaces, including the solution of an old problem of Davis and Johnson; the solution of a long-standing problem of Laver; and the development of a duality theory relating finite Ramsey theory and topological dynamics.

The prize is awarded by the Centre de Recherches Mathématiques (CRM), the Fields Institute, and the Pacific Institute for Mathematical Sciences (PIMS).

—From a CRM announcement

Gualtieri and Kim Awarded 2012 Aisenstadt Prize

MARCO GUALTIERI of the University of Toronto and YOUNG-HEON KIM of the University of British Columbia have been awarded the 2012 André-Aisenstadt Prize of the Centre de Recherches Mathématiques (CRM). Gualtieri made essential contributions to the development of generalized complex geometry, an active area of research at the interface of complex geometry and symplectic geometry. Kim's most important contributions concern the fast-developing topic of optimal transportation.

—From a CRM announcement

Mathematics Opportunities

DMS Workforce Program in the Mathematical Sciences

The Division of Mathematical Sciences (DMS) of the National Science Foundation (NSF) welcomes proposals for the Workforce Program in the Mathematical Sciences. The long-range goal of the program is increasing the number of well-prepared U.S. citizens, nationals, and permanent residents who successfully pursue careers in the mathematical sciences and in other NSF-supported disciplines. Of primary interest are activities centered on education that broaden participation in the mathematical sciences through research involvement for trainees at the undergraduate through postdoctoral educational levels. The program is particularly interested in activities that improve recruitment and retention, educational breadth, and professional development.

The submission period for unsolicited proposals is **May 15–June 15, 2012.** For more information and a list of cognizant program directors, see the website `http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=503233`.

—From a DMS announcement

Project NExT: New Experiences in Teaching

Project NExT (New Experiences in Teaching) is a professional development program for new and recent Ph.D.'s in the mathematical sciences (including pure and applied mathematics, statistics, operations research, and mathematics education). It addresses all aspects of an academic career: improving the teaching and learning of mathematics, engaging in research and scholarship, and participating in professional activities. It also provides the participants with a network of peers and mentors as they assume these responsibilities. In 2012 about eighty faculty members from colleges and universities throughout the country will be selected to participate in a workshop preceding the Mathematical Association of America (MAA) summer meeting, in activities during the summer MAA meetings in 2012 and 2013 and the Joint Mathematics Meetings in January 2013, and in an electronic discussion network. Faculty for whom the 2012–2013 academic year will be the first or second year of full-time teaching (post-Ph.D.) at the college or university level are invited to apply to become Project NExT Fellows.

Applications for the 2012-2013 Fellowship year will be due **April 13, 2012.** For more information, see the Project NExT website, `http://archives.math.utk.edu/projnext/`, or contact Aparna Higgins, director, at `Aparna.Higgins@notes.udayton.edu`. Project NExT is a program of the MAA. It receives major funding from the Mary P. Dolciani Halloran Foundation and additional funding from the Educational Advancement Foundation, the American Mathematical Society, the American Statistical Association, the National Council of Teachers of Mathematics, the Association for Symbolic Logic, the W. H. Freeman Publishing Company, John Wiley & Sons, MAA Sections, and the Greater MAA Fund.

—Project NexT announcement

Call for Proposals for 2013 NSF-CBMS Regional Conferences

To stimulate interest and activity in mathematical research, the National Science Foundation (NSF) intends to support up to seven NSF-CBMS Regional Research Conferences in 2013. A panel chosen by the Conference Board of the Mathematical Sciences will make the selections from among the submitted proposals.

Each five-day conference features a distinguished lecturer who delivers ten lectures on a topic of important current research in one sharply focused area of the mathematical sciences. The lecturer subsequently prepares an expository monograph based on these lectures, which is normally published as a part of a regional conference series. Depending on the conference topic, the monograph will be published by the American Mathematical Society, by the Society for Industrial and Applied Mathematics, or jointly by the American Statistical Association and the Institute of Mathematical Statistics.

Support is provided for about thirty participants at each conference, and both established researchers and interested newcomers, including postdoctoral fellows and graduate students, are invited to attend. The proposal due date is **April 13, 2012**. For further information on submitting a proposal, consult the CBMS website, `http://www.cbmsweb.org/NSF/2013_call.htm`, or contact: Conference Board of the Mathematical Sciences, 1529 Eighteenth Street, NW, Washington, DC 20036; telephone: 202-293-1170; fax: 202-293-3412.

—From a CBMS announcement

NSF-CBMS Regional Conferences, 2012

With funding from the National Science Foundation (NSF), the Conference Board of the Mathematical Sciences (CBMS) will hold nine NSF-CBMS Regional Research Conferences during the summer of 2012. These conferences are intended to stimulate interest and activity in mathematical research. Each five-day conference features a distinguished lecturer who delivers ten lectures on a topic of important current research in one sharply focused area of the mathematical sciences. The lecturer subsequently prepares an expository monograph based on these lectures.

Support for about thirty participants will be provided for each conference. Both established researchers and interested newcomers, including postdoctoral fellows and graduate students, are invited to attend. Information about an individual conference may be obtained by contacting the conference organizer. The conferences to be held in 2012 are as follows.

May 11–15, 2012: Topological and Algebraic Regularity Properties of Nuclear C^*-Algebras. Wilhelm Winter, lecturer. University of Louisiana, Lafayette. Organizers: Gary Birkenmeier, 337-482-6545, `gfb1127@louisiana.edu`; Nathanial Brown, 814-863-9095, `nbrown@math.psu.edu`; Daniel G. Davis, 337-482-5943, `dgdavis@louisiana.edu`; Thierry Giordano, 613-562-5864, `giordano@uOttawa.ca`; Ping Wong Ng, 337-482-5272, `png@louisiana.edu`; Leonel Robert, 337-482-6772, `lrobert@louisiana.edu`. Conference website: `www.ucs.louisiana.edu/~pwn1677/cbms2012.html`.

May 29–June 2, 2012: Mathematical Methods of Computed Tomography. Peter Kuchment, lecturer. University of Texas, Arlington. Organizers: Tuncay Aktosun, 817-272-1545, `aktosun@uta.edu`; and Gaik Ambartsoumian, 817-272-3384, `gambarts@uta.edu`. Conference website: `omega.uta.edu/~aktosun/cbms2012`.

June 4–8, 2012: Small Deviation Probabilities: Theory and Applications. Wenbo V. Li, lecturer. University of Alabama, Huntsville. Organizers: Dongsheng Wu, 256-824-6676, `dongsheng.wu@uah.edu`; and Kyle Siegrist, 256-824-6486, `siegrist@math.uah.edu`. Conference website: `www.math.uah.edu/~cbms`.

June 11–15, 2012: Finite Element Exterior Calculus. Douglas N. Arnold, lecturer. Brown University. Organizers: Alan Demlow, 859-257-6797, `alan.demlow@uky.edu`; Johnny Guzman, 401-863-6360, `Johnny_Guzman@brown.edu`; and Dmitriy Leykekhman, 860-405-9294, `leykekhman@math.uconn.edu`. Conference website: `icerm.brown.edu/tw12-2-cbms`.

June 18–22, 2012: Hodge Theory, Complex Geometry, and Representation Theory. Phillip A. Griffiths, lecturer. Texas Christian University. Organizers: Greg Friedman, 817-257-6343, `g.friedman@tcu.edu`; Robert S. Doran, 817-257-7335, `r.doran@tcu.edu`; and Scott Nollet, 817-257-6339, `s.nollet@tcu.edu`. Conference website: `faculty.tcu.edu/gfriedman/CBMS2012/`.

July 16–20, 2012: Unitary Representations of Reductive Groups. David Vogan, lecturer. University of Massachusetts, Boston. Organizer: Alfred Noel, 617-287-6458, `alfred.noel@umb.edu`. Conference website: `www.math.umb.edu/CBMS2012`.

July 23–27, 2012: Model Uncertainty and Multiplicity. James O. Berger, lecturer. University of California Santa Cruz. Organizers: Bruno Sanso, 831-459-1484, `bruno@ams.ucsc.edu`; Abel Rodriguez, 831-459-5278, `abel@soe.ucsc.edu`; and Yuefeng Wu, 831-459-5311, `yuefeng@soe.ucsc.edu`. Conference website: `cbms-mum.soe.ucsc.edu/`.

August 6–10, 2012: Statistical Climatology. Douglas W. Nychka, lecturer. University of Washington. Organizer: Peter Guttorp, 206-543-6774, `peter@stat.washington.edu`. Conference website: `www.nrcse.washington.edu/statmos/nychka.html`.

August 13–17, 2012: The Mathematics of the Social and Behavioral Sciences. Donald G. Saari, lecturer. West Chester University of Pennsylvania. Organizer: Michael Fisher, 610-430-4196, `mfisher@wcupa.edu`. Conference website: `www.wcupa.edu/math/2012CBMS`.

—From a CBMS announcement

AWM Gweneth Humphreys Award

The Association for Women in Mathematics (AWM) sponsors the Gweneth Humphreys Award to recognize outstanding mentorship activities. This prize will be awarded annually to a mathematics teacher (female or male) who has encouraged female undergraduate students to pursue mathematical careers and/or the study of mathematics at the graduate level. The recipient will receive a cash prize and honorary plaque and will be featured in an article in the AWM newsletter. The award is open to all regardless of nationality and citizenship. Nominees must be living at the time of their nomination.

The deadline for nominations is **April 30, 2012**. For details, see www.awm-math.org, telephone 703-934-0163, or email awm@awm-math.org.

—From an AWM announcement

NSF Integrative Graduate Education and Research Training

The Integrative Graduate Education and Research Training (IGERT) program was initiated by the National Science Foundation (NSF) to meet the challenges of educating Ph.D. scientists and engineers with the interdisciplinary backgrounds and the technical, professional, and personal skills needed for the career demands of the future. The program is intended to catalyze a cultural change in graduate education for students, faculty, and universities by establishing innovative models for graduate education in a fertile environment for collaborative research that transcends traditional disciplinary boundaries. It is also intended to facilitate greater diversity in student participation and to contribute to the development of a diverse, globally aware science and engineering workforce. Supported projects must be based on a multidisciplinary research theme and administered by a diverse group of investigators from U.S. Ph.D.-granting institutions with appropriate research and teaching interests and expertise.

The deadline for letters of intent is **May 1, 2012**; the deadline for full proposals is **July 2, 2012**. Full proposals may be sent by invitation only. Further information may be found at the website http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=12759.

—From an NSF announcement

NSF Scholarships in Science, Technology, Engineering, and Mathematics

The NSF Scholarships in Science, Technology, Engineering, and Mathematics (S-STEM) program provides institutions with funds for student scholarships to encourage and enable academically talented students demonstrating financial need to enter the STEM workforce or STEM graduate school following completion of an associate, baccalaureate, or graduate degree in fields of science, technology, engineering, or mathematics. Students to be awarded scholarships must demonstrate academic talent and financial need. S-STEM grants may be made for up to five years and provide individual scholarships of up to US$10,000 per year, depending on financial need. Proposals must be submitted by institutions, which are responsible for selecting the scholarship recipients. The deadline for full proposals is **August 14, 2012**. For more information, see the website http://www.nsf.gov/pubs/2012/nsf12529/nsf12529.htm.

—From an NSF announcement

Call for Nominations for the Ramanujan Prize for Young Mathematicians from Developing Countries

The Abdus Salam International Centre for Theoretical Physics (ICTP), the Niels Henrik Abel Memorial Fund, and the International Mathematical Union (IMU) seek nominations for the 2012 Ramanujan Prize for Young Mathematicians from Developing Countries. The prize is funded by the Niels Henrik Abel Memorial Fund. The prize is awarded annually to a researcher from a developing country who must be less than forty-five years of age on December 31 of the year of the award and who has conducted outstanding research in a developing country. Researchers working in any branch of the mathematical sciences are eligible. The prize carries a cash award of US$15,000. The winner will be invited to the ICTP to receive the prize and deliver a lecture. The prize is usually awarded to one person but may be shared equally among recipients who have contributed to the same body of work.

The selection committee will take into account not only the scientific quality of the research but also the background of the candidate and the environment in which the work was carried out. The deadline for receipt of nominations for the 2012 Prize is **April 1, 2012**. Please send nominations to math@ictp.it describing the work of the nominee in adequate detail. Nominations should include a CV and a list of publications, as well as a letter of recommendation. See the website http://prizes.ictp.it/Ramanujan/call-for-nominations-for-the-2012-prize.

—From an IMU announcement

Math in Moscow Scholarship Program

The Math in Moscow program at the Independent University of Moscow (IUM) was created in 2001 to provide foreign students (primarily from the U.S., Canada, and Europe) with a semester-long, mathematically intensive program of study in the Russian tradition of teaching mathematics, the main feature of which has always been the development of a creative approach to studying mathematics from the outset—the emphasis being on problem solving rather than memorizing theorems. Indeed, discovering mathematics under the guidance of an experienced teacher is the central principle of the IUM, and the Math in Moscow program emphasizes in-depth understanding of carefully selected material rather than broad surveys of large quantities of material. Even in the treatment of the most traditional subjects, students are helped to explore significant connections with contemporary research topics. The IUM is a small, elite institution of higher learning focusing primarily on mathematics and was founded in 1991 at the initiative of a group of well-known Russian research mathematicians, who now compose the Academic Council of the university. Today, the IUM is one of the leading mathematical centers in Russia. Most of the Math in Moscow 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 five US$9,000 scholarships each semester to U.S. students to attend the Math in Moscow program. To be eligible for the scholarships, students must be either U.S. citizens or enrolled at a U.S. institution at the time they attend the Math in Moscow program. Students must apply separately to the IUM's Math in Moscow program and to the AMS Math in Moscow Scholarship program. Undergraduate or graduate mathematics or computer science majors may apply. The deadlines for applications for the scholarship program are **April 15, 2012**, for the fall 2012 semester and **September 15, 2012**, for the spring 2013 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 AMS website at `http://www.ams.org/programs/travel-grants/mimoscow`, or by writing to: Math in Moscow Program, Membership and Programs Department, American Mathematical Society, 201 Charles Street, Providence RI 02904-2294; e-mail `student-serv@ams.org`.

—AMS Membership and Programs Department

For Your Information

2012 Everett Pitcher Lectures

William P. Minicozzi II of Johns Hopkins University will deliver the 2012 Everett Pitcher Lectures, held April 16–20, 2012, on the campus of Lehigh University in Bethlehem, Pennsylvania. The title of his lecture series is "Singularities in mean curvature flow". The three lectures are titled "Geometric heat equations" (for a general audience), "Singularities and dynamics of mean curvature flow", and "Mean curvature flow near a singularity". The lectures, which are open to the public, are held in honor of Everett Pitcher, who was secretary of the AMS from 1967 until 1988. Pitcher served in the mathematics department at Lehigh from 1938 until 1978, when he retired as Distinguished Professor of Mathematics. He passed away in December 2006 at the age of ninety-four.

For further information contact the Everett Pitcher Lecture Series, Department of Mathematics, Lehigh University, Bethlehem, PA 18015; telephone 610-758-3731; website `http://www.lehigh.edu/~math/pitcher.html`.

—Huai-Dong Cao
Lehigh University

Who's That Mathematician? Photos from the Halmos Collection

Throughout 2012 the Mathematical Association of America is posting over 300 photos of mathematicians snapped by Paul Halmos (1916–2006) during his career—in the online feature "Who's That Mathematician? Images from the Paul R. Halmos Photograph Collection". You are invited to share what you know about the people, places, dates, and circumstances of each photo via an easy-to-use interactive discussion tool. To reach the archive, visit the page `http://mathdl.maa.org/mathDL/46/` and click on the link indicating the Halmos Photo Collection.

—Janet Beery, editor
MAA Convergence
University of Redlands