
Mathematics People

NSF Graduate Fellowships Awarded

The National Science Foundation has made 728 awards in its Graduate Fellowship program. The fellowships provide a stipend of \$14,400 per year for full-time graduate study and a cost-of-education allowance of \$8,600. Applications for the fellowships were submitted by 6,243 students and were evaluated by panel review.

Among the awardees were 35 in the mathematical sciences. The following lists their names, their undergraduate institutions (in parentheses), and the institutions at which they plan to use the fellowship. [Editor's note: The institutions of graduate study listed here are from the original application forms. In many cases, the students will have switched institutions by the time the fellowship tenure begins.]

PHILIP HARLAN BRADLEY, (Rice University), University of California, Berkeley; LEONARD DAVID CABRERA, (U.S. Air Force Academy), Stanford University; HENRY LEE COHN, (Massachusetts Institute of Technology), Harvard University; MATTHEW WAYNE CUSHMAN, (Carnegie-Mellon University), Princeton University; NATHAN MICHAEL DUNFIELD, (Oregon State University), University of Illinois at Chicago; CHRISTOPHER PERKINS FRENCH, (Williams College), University of Illinois at Chicago; DEBASHIS GHOSH, (Rice University), Harvard University; ILYA GLUHOVSKY, (Purdue University), University of Illinois at Chicago; DANIEL ANDREW GROSSMAN, (Harvard University), Princeton University; JONATHAN PETER HANKE, (State University of New York at Stony Brook), Harvard University; NANCY ELIZABETH HEINSCHHEL, (University of California, Davis), Stanford University; PATRICIA LYNN HERSH, (Harvard University), Massachusetts Institute of Technology; ALAN FRANK HO, (University of Pittsburgh), University of California, Berkeley; OTIS BRIAN JENNINGS, (Princeton University), Georgia Institute of Technology; MARY BEATRIX JONES, (Johns Hopkins University), Cornell University; KENNETH DOUGLAS KOENIG, (Princeton University), Princeton University; MIKHAIL KOGAN, (New York University), Harvard University; JAMES JOHN KRIEGSMANN, (University of Illinois at Urbana-Champaign), Northwestern University; ROGER W. LEE, (Harvard University),

University of California, Berkeley; MATTHEW PAUL LEINGANG, (University of Illinois at Chicago), Massachusetts Institute of Technology; JING REBECCA LI, (University of Michigan), University of Illinois at Chicago; ADAM M. LOGAN, (Princeton University), Harvard University; STACY MEGAN MADDOX, (University of Oklahoma), Massachusetts Institute of Technology; WILLIAM RUSSELL MANN, (Princeton University), Princeton University; AMY LEE McDONALD, (Tulane University), Duke University; DUANE QUINN NYKAMP, (University of Michigan), New York University; ASHLEY MELIA REITER, (Rice University), University of Michigan; ANDREW S. RICHARDSON, (Case Western Reserve), Brandeis University; JASON M. RIORDAN, (Clarkson University), University of Illinois at Chicago; RACHEL RUE, (Swarthmore College), Carnegie-Mellon University; DANIEL JACOB STARR, (Yale University), Massachusetts Institute of Technology; DAVID EUGENE TANG, (Massachusetts Institute of Technology), Cornell University; SALIL PRAVIN VADHAN, (Harvard University), Massachusetts Institute of Technology; JEFF ALAN VIACLOVSKY, (University of Texas at Austin), State University of New York at Stony Brook; and DOUGLAS JAMES ZARE, (New College-University of South Florida), California Institute of Technology.

— from NSF Announcement

NSF Minority Graduate Fellowships Awarded

The National Science Foundation has made 130 awards in its Minority Graduate Fellowship program. The fellowships provide a stipend of \$14,400 per year for full-time graduate study and a cost-of-education allowance of \$8,600. Applications for the fellowships were submitted by 1,173 students and were evaluated by panel review.

Among the awardees were ten in the mathematical sciences. The following lists their names, their undergraduate institutions (in parentheses), and the institutions at which they plan to use the fellowship. [Editor's note: The institutions of graduate study listed here are from the original application forms. In many cases, the students will

have switched institutions by the time the fellowship tenure begins.]

JORGE ALBERTO CALVO, (Massachusetts Institute of Technology), University of California, Santa Barbara; ANDREW WARREN ENRIQUEZ, (Adelphi University), New York University; BENDEK BJERRING HANSEN, (Harvard University), University of California, Berkeley; TANYA AMY HENNEMAN, (Spelman College), University of Maryland; TRACHETTE LEVON JACKSON, (Arizona State University), University of Washington; STEPHANIE ANN MONKS, (Northeastern State University), North Carolina State University; RAVI RICO MONTENEGRO, (California Institute of Technology), Massachusetts Institute of Technology; REBECCA ELAINE PABLO, (Loyola Marymount University), University of California, Berkeley; JASON ALLEN QUICK, (Massachusetts Institute of Technology), University of Texas at Austin; and CARA SUZANNE TABER, (Brown University), Massachusetts Institute of Technology.

— *from NSF Announcement*

U.S. Places Eleventh in International Olympiad

The U.S. team for the International Mathematical Olympiad (IMO), held in July in Toronto, placed eleventh out of a record number of 74 competing teams. Each of the six members of the U.S. team received a medal. The top twelve teams, in order, were China, Romania, Russia, Vietnam, Hungary, Bulgaria, South Korea, Iran, Japan, United Kingdom, U.S., and India.

ALEKSANDR L. KHAZANOV of Brooklyn, New York, JACOB A. LURIE of Bethesda, Maryland, and JOSH P. NICHOLS-BARRER of Newton Center, Massachusetts, received silver medals. Khazanov and Lurie were members of last year's IMO team, which achieved a perfect score for the first time in IMO history. Receiving bronze medals were CHRISTOPHER CHANG of Palo Alto, California, JAY H. CHYUNG of Iowa City, Iowa, and ANDREI C. GNEPP of Orange, Ohio.

Titu Andreescu of the Illinois Mathematics and Science Academy was the team leader. "Even though our team ranked eleventh this year, all of our students and coaches did their best," he said. "We participated with a young and promising team of six Americans who gave everything they were capable of and were representatives of our country. I am proud of them all." The team was also accompanied by Paul Zeitz of the University of San Francisco and Walter E. Mientka of the University of Nebraska at Lincoln.

The IMO team members participated in a preparatory training session this summer and were selected from a larger group of top performers on the U.S.A. Mathematical Olympiad (USAMO). The USAMO is sponsored by nine national associations in the mathematical sciences, the AMS among them. Arrangements are provided by the Mathematical Association of America.

Here is a representative question from the 1995 IMO. Let p be a prime number. Find the number of subsets A

of the set $1, 2, \dots, 2p$ such that: (1) A has exactly p elements, and (2) the sum of all the elements in A is divisible by p .

—*Joint Policy Board for Mathematics News Release*

Toyosaburo Taniguchi, 1901-1994

Toyosaburo Taniguchi, a Japanese industrialist and philanthropist, died on November 26, 1994. Born in Osaka on July 29, 1901, Taniguchi was a leading Japanese economist and textile executive, as well as a strong supporter of scientific research. He created the Taniguchi Foundation, which organized high-level international symposia in mathematics and other fundamental areas of science. Held in Japan, the symposia were designed to encourage collaborations between Japanese researchers and their foreign counterparts. Last spring, the Mathematical Society of Japan posthumously awarded its Seki-Kowa Prize to Taniguchi.

—*Allyn Jackson*

Deaths

LEO A. AROIAN, of Schenectady, NY, died on May 10, 1995. Born on May 10, 1907, he was a member of the Society for 60 years.

RALPH A. ARTINO, of City College, CUNY, died on July 7, 1995. Born on May 29, 1944, he was a member of the Society for 22 years.

JACK E. FORBES, professor emeritus of Purdue University-Calumet, IN, died on March 21, 1995. Born on December 11, 1928, he was a member of the Society for 39 years.

KATHARINE E. HAZARD, of Newtown, PA, died on October 21, 1995. Born on July 15, 1915, she was a member of the Society for 55 years.

LAMEK HULTHEN, professor emeritus of the Royal Institute of Technology, Stockholm, died on April 25, 1995. Born on December 14, 1909, he was a member of the Society for 46 years.

HARVEY C. MCKENZIE, professor emeritus of the University of Wisconsin-Oshkosh, died on May 6, 1995. Born on January 15, 1910, he was a member of the Society for 48 years.

JOHN G. MILCETICH, of the University of the District of Columbia, died on June 1, 1995. Born in March 1946, he was a member of the Society for 23 years.

JAMES W. PFAENDTNER, of Camp Springs, MD, died on April 22, 1995. Born on March 18, 1945, he was a member of the Society for 21 years.

ANNITA TULLER, of Cupertino, CA, died on August 8, 1994. Born on December 30, 1910, she was a member of the Society for 64 years.