Mathematics People

1999 AMS Centennial Fellowships Awarded

The AMS has awarded four Centennial Fellowships for 1999–2000. The recipients are CHARLES REZK, BIN WANG, CHANGYOU WANG, and TONGHAI YANG.

Charles Rezk

Charles Rezk received his Ph.D. from the Massachusetts Institute of Technology in 1996 under the supervision of Michael Hopkins. Since then Rezk has been a Ralph P. Boas Visiting Assistant Professor at Northwestern University.

His research has centered on algebraic topology and homotopy theory. He has worked on the problem of realizing homotopy-algebraic structures using operads and on problems in abstract homotopy theory. His current interests include elliptic cohomology and modular forms and the relation of these to homotopy groups of spheres. He will use his Centennial Fellowship to visit the Institute for Advanced Study in Princeton.

Bin Wang

Bin Wang received a Ph.D. in 1994 from Brown University under the direction of Bruno Harris. Since then Wang has been a visiting assistant professor at Boston College and a Gibbs Instructor at Yale University, and currently he is a visiting assistant professor at Brown University.

His research interests are algebraic geometry and arithmetic geometry, more specifically the application of the Archimedean height pairing (or complex linking number), which comes from Arakelov geometry, to problems in complex algebraic geometry. This has been a main focus of his research. Along these lines, he studied the asymptotic behavior of the Archimedean height pairing and constructed the incidence structure for a smooth projective variety proposed by Barry Mazur. In work based on these ideas, Wang is currently completing a proof of Clemens's conjecture, which asserts that there are finitely many smooth rational curves of given degree on a generic quintic 3-fold.

Wang is going to use the Centennial Fellowship to visit Harvard University.

Changyou Wang

Changyou Wang received his Ph.D. in 1996 from Rice University under the supervision of Robert Hardt. Wang has been a Dickson Instructor at the University of Chicago (1996–1999) and an assistant professor at Loyola University of Chicago (1998–1999). He will be an assistant professor at the University of Kentucky starting in the fall of 1999.

Wang's area of research is partial differential equations and geometric analysis. His work includes results on analytic aspects of harmonic maps and heat equations of harmonic maps, such as partial regularity, behavior of singularities, blowing-up analysis, and bubbling phenomena. Recently, he has been interested in issues related to biharmonic maps and variational problems in L^∞.

He plans to use the Centennial Fellowship to visit the Courant Institute of Mathematical Sciences at New York University, and Princeton University.

Tonghai Yang

Tonghai Yang received his Ph.D. from the University of Maryland in 1995 under the direction of Stephen S. Kudla. After a year at the Institute for Advanced Study, Yang became a Hildebrandt assistant professor at the University of Michigan. He was a visitor at the Max-Planck-Institut für

Charles Rezk

Bin Wang

Changyou Wang

Tonghai Yang

Mathematik in Bonn during the summers of 1997 and 1998. Since fall 1998 he has been an assistant professor at the State University of New York at Stony Brook.

Yang's research area is number theory. He is interested in number theory, representation theory, and arithmetic geometry, and especially their interactions. He studies special values and derivatives of arithmetic L-series and Eisenstein series at the center via representation theory, and the underlying arithmetic. He also studies the relationship between theta functions and periods of abelian varieties with complex multiplications.

He plans to use the Centennial Fellowship to visit Harvard University. He also plans to visit the Institute for Advanced Study for two months.

Please note: Information about the competition for the 2000–01 AMS Centennial Fellowships will be published in the "Mathematics Opportunities" section of an upcoming issue of the *Notices*.

—Allyn Jackson

Sloan Fellows Announced

The Alfred P. Sloan Foundation has announced the names of one hundred outstanding young scientists and economists who have been selected to receive Sloan Research Fellowships. Grants of $35,000 for a two-year period are administered by each Fellow's institution. Once chosen,

Fellows are free to pursue whatever lines of inquiry most interest them, and they are permitted to employ fellowship funds in a wide variety of ways to further their research aims.

More than four hundred nominations for the 1999 awards were reviewed by a committee of distinguished scientists. The mathematicians on the committee were George C. Papanicolaou, Stanford University; Peter Sarnak, Princeton University; and Karen Uhlenbeck, University of Texas, Austin.

The Sloan Fellows in mathematics are: ANNE GELB, Arizona State University; ALAIN GORIELY, University of Arizona; JINGYI CHEN, University of British Columbia; RAHUL PANDHARIPANDE, California Institute of Technology; TERENCE TAO, University of California, Los Angeles; IGOR MEZIC, University of California, Santa Barbara; JIE QING, University of California, Santa Cruz; BENSON FARB, University of Chicago; MATTHIAS SCHWARZ, University of Chicago; SHANKAR VENKATARAMANI, University of Chicago; IRENA PEEVA, Cornell University; DIHUA JIANG, University of Minnesota; QING HAN, University of Notre Dame; KEN ONO, Pennsylvania State University; TONY PANTEV, University of Pennsylvania; MARY C. PUGH, University of Pennsylvania; CARSON C. CHOW, University of Pittsburgh; WENZHI LUO, Princeton University; JIM BRYAN, Tulane University; and ALMUT BURCHARD, University of Virginia.

—Alfred P. Sloan Foundation announcement

Guggenheim Fellowships Awarded

The John Simon Guggenheim Memorial Foundation has announced the names of 179 artists, scholars, and scientists who were selected as Guggenheim Fellows from nearly 2,800 applicants in the 1999 competition. The awards totaled $6,062,000. Guggenheim Fellows are appointed on the basis of distinguished achievement in the past and exceptional promise for future accomplishment.

The following is a list of awardees who work in the mathematical sciences, together with their affiliations and areas of research interest.

PERCY ALEC DEIFT, Courant Institute, New York University: Riemann-Hilbert problems in pure and applied mathematics; AARON L. FOGELSON, University of Utah: Processes of platelet aggregation and coagulation; CAMERON GORDON, University of Texas, Austin: Studies in three-dimensional manifolds; YANGUANG LI, University of Missouri, Columbia: Chaos in partial differential equations; ROBERTO H. SCHONMANN, University of California, Los Angeles: Percolation and related processes on graphs; JOEL SPRUCK, Johns Hopkins University: Nonlinear problems in geometry; BRIAN WHITE, Stanford University: Minimal surfaces and mean-curvature flow; and XIN ZHOU, Duke University: Oscillatory Riemann-Hilbert problems.

—From a Guggenheim Foundation news release

1999 Rollo Davidson Prizes

The trustees of the Rollo Davidson Trust have awarded Rollo Davidson Prizes for 1999 to RAPHAEL CERF of the Université Paris-Sud for his work on geometric probability and the large deviation theory of percolation in three dimensions, and GARETH ROBERTS of the University of Lancaster for his work on the theoretical properties of simulation procedures, including Markov chain and Monte Carlo methods, important in the Bayesian paradigm in statistics.

—From Rollo Davidson Trust announcement

Deaths

JULIA WELLS BOWER, retired chair, Connecticut College, New London, died on February 19, 1999. Born on December 27, 1903, she was a member of the Society for 73 years.

CHARLES L. CARROLL, of Indialantic, FL, died on October 18, 1999. Born on September 16, 1916, he was a member of the Society for 61 years.

CHARLES H. CUNKLE, professor emeritus, Slippery Rock University of PA, died on December 19, 1998. Born on May 28, 1915, he was a member of the Society for 46 years.

IVAN FRANIC, of Zagreb, Croatia, died on February 8, 1998. Born on January 19, 1950, he was a member of the Society for 3 years.

CAROLYN SPENCER GALE, of Dayton, OH, died on September 28, 1998. Born on June 10, 1947, she was a member of the Society for 26 years.

CHARLES H. GOLDBERG, of The College of New Jersey, Trenton, died on December 18, 1998. Born on October 26, 1939, he was a member of the Society for 28 years.

MARIO O. GONZALEZ, of Coral Gables, FL, died on February 14, 1999. Born on September 14, 1913, he was a member of the Society for 58 years.

ROGER HOLVOET, of Katholieke Univ. Leuven, Louvain, Belgium, died on July 6, 1998. Born on July 5, 1938, he was a member of the Society for 29 years.

MARSHALL PHILLIP JONES, of Memphis, TN, died on March 9, 1999. Born on November 23, 1937, he was a member of the Society for 39 years.

PAUL J. KELLY, of Santa Cruz, CA, died on July 10, 1995. Born on June 26, 1915, he was a member of the Society for 56 years.

RUFUS A. MOORE, of Brackettville, TX, died on January 24, 1998. Born on February 8, 1923, he was a member of the Society for 41 years.

SUBHASHIS NAG, of the Institute of Mathematical Science, Chennai, India, died in December 1998. Born on August 14, 1955, he was a member of the Society for 21 years.

FRANCISCO J. NAVARRO, of Lincoln University of PA, died on September 16, 1998. Born on August 4, 1935, he was a member of the Society for 36 years.

STEPHEN C. PERSEK, of Lake Worth, FL, died on March 6, 1999. Born on May 4, 1945, he was a member of the Society for 29 years.

WILLIAM G. ROSEN, former head of the mathematical sciences section at the National Science Foundation and former professor of mathematics at the University of Maryland, College Park, died on March 19, 1999. Born on May 13, 1921, he was a member of the Society for 50 years.

GIAN-CARLO ROTA, professor of applied mathematics and philosophy at the Massachusetts Institute of Technology, died on April 19, 1999. Born on April 27, 1932, he was a member of the Society for 44 years. He received the Steele Prize from the AMS in 1988.

DARRELL R. SHREVE, of Jackson, MS, died on March 27, 1993. Born on February 20, 1908, he was a member of the Society for 55 years.

TAFFEE TANIMOTO, professor emeritus at the University of Massachusetts at Boston, died on December 11, 1998. Born on December 15, 1917, he was a member of the Society for 52 years.

ANGUS ELLIS TAYLOR, former University of California provost, died on April 6, 1999. Born on October 13, 1911, he was a member of the Society for 63 years.

DAVID C. TISCHLER, of Queens College, CUNY, died on February 22, 1999. Born on June 22, 1943, he was a member of the Society for 32 years.

HUGH LONSDALE TURRITTIN, retired professor of mathematics from the University of Minnesota, Minneapolis, died on April 8, 1999. Born on April 24, 1906, he was a member of the Society for 69 years.