Mathematics People

NSF CAREER Awards Made

The Division of Mathematical Sciences (DMS) of the National Science Foundation (NSF) has honored eleven mathematicians in fiscal year 2004 with Faculty Early Career Development (CAREER) awards. The NSF established the awards to support promising scientists, mathematicians, and engineers who are committed to the integration of research and education. The grants run from four to five years and range from $200,000 to $500,000 each. The 2004 CAREER grant awardees and the titles of their grant projects follow.

SUBHASHIS GHOSAL, North Carolina State University: Default Bayesian Methods for Nonparametric Problems; KEVIN WHYTE, University of Illinois, Chicago: Large Scale Geometry and Dynamics in Group Theory; ERIK GUENTNER, University of Hawaii: Geometry of Groups and the Novikov Conjecture; ZHIQIN LU, University of California, Irvine: On the Geometry of Kähler-Einstein Manifolds; HARM DERKSEN, University of Michigan, Ann Arbor: Invariant Theory, Algorithms and Applications; PANAYOTIS KEVREKIDIS, University of Massachusetts, Amherst: Solitons in Bose-Einstein Condensates: Generation, Manipulation and Pattern Formation; ANNIE QU, Oregon State University: Semiparametric and Nonparametric Models for Correlated Data; RUNZE LI, Pennsylvania State University: Model Selection for Semiparametric Regression Models in High Dimensional Modeling and Its Oracle Properties; IRENA PEEVA, Cornell University: Free Resolutions; FEIFANG HU, University of Virginia: Use of Covariate Information in Adaptive Designs; and J. MAURICE ROJAS, Texas A&M Research Foundation: Complexity, Reality, and Rationality in Large Nonlinear Equation Solving.

—From an NSF announcement

NSF Postdoctoral Fellowships Awarded

The Mathematical Sciences Postdoctoral Research Fellowship program of the Division of Mathematical Sciences (DMS) of the National Science Foundation (NSF) awards fellowships each year for postdoctoral research in pure mathematics, applied mathematics and operations research, and statistics. Listed below are the names of the fellowship recipients for 2004, together with their Ph.D. institutions (in parentheses) and the institutions at which they will use their fellowships.

SILAS D. ALBEN (Courant Institute), Harvard University; JAY BARTOFF (California Institute of Technology), Stanford University; ERIC T. BROWN (Princeton University), Courant Institute; KARIANE CALTA (University of Chicago), Cornell University; SAMIT DASGUPTA (University of California, Berkeley), Harvard University; DAVID DUMAS (Harvard University), Rice University; THADDEUS EDENS (University of California, Davis), University of Michigan, Ann Arbor; JOHN FRICKS (University of North Carolina, Chapel Hill), University of North Carolina, Chapel Hill; JOHN B. GREER (Duke University), Courant Institute; THOMAS HAYES (University of Chicago), University of California, Berkeley; JOHN M. HERBERT (University of Wisconsin, Madison), University of California, Berkeley; KENLEY JUNG (University of California, Berkeley), University of California, Los Angeles; JOY KO (New York University), Brown University; JONATHAN KUJA (University of Oregon), University of Georgia; TYLER D. LAWSON (Stanford University), Massachusetts Institute of Technology; MAX D. LIEBLICH (Massachusetts Institute of Technology), Brown University; DAN MARGALIT (University of Chicago), University of Utah; KIMBALL MARTIN (California Institute of Technology), Columbia University; HELENA G. MCGAHAGAN (New York University), University of California, Santa Barbara; NEIL P. MOLINO (Stanford University), California Institute of Technology; BRIAN A. MUNSON (Brown University), Stanford University; NGHIEM V. NGUYEN (University of Illinois, Chicago), University of Oklahoma; BRIAN OSSERMAN (Massachusetts Institute of Technology), University of California, Berkeley; NICHOLAS J. PROUDFOOT (University of California, Berkeley), University of Texas, Austin; MARIA G. REZNIKOFF (New York University), University of Bonn; SHANE D. ROSS (California Institute of Technology), University of Southern California; BENJAMIN SCHLEIN (ETH, Zurich), Stanford University; SCOTT R. SHEFFIELD (Stanford University), University of California, Berkeley; SHAKHAR SMORODINSKY (Tel-Aviv University), Courant Institute; JARED W. TANNER (University of California, Los Angeles), Stanford University; JULIANNA S.

TYMOCZKO (Princeton University), University of Michigan, Ann Arbor; MICHAEL J. USHER (Massachusetts Institute of Technology), Harvard University; KEVIN M. WOODS (University of Michigan, Ann Arbor), University of California, Berkeley; MATTHEW P. YOUNG (Rutgers University), American Institute of Mathematics.

—Elaine Kehoe

AAAS Fellows Elected

Six individuals whose work involves the mathematical sciences have been elected as fellows of the American Association for the Advancement of Science (AAAS). The new fellows are RICHARD A. DEMILLO, Georgia Institute of Technology; JOHN H. EWING, American Mathematical Society; JAMES E. GENTLE, George Mason University; PANOS M. PARDALOS, University of Florida; CARL POMERANCE, Dartmouth College; and DE WITT L. SUMNERS, Florida State University.

—From an AAAS announcement

Joel E. Schneider (1943–2004)

Joel E. Schneider, a leader in using television to get children interested in mathematics, died on September 12, 2004, at the age of 61.

At the time of his death Schneider was vice president for education and research for the television program *Sesame Workshop*. He served as the content director for the half-hour mathematics show *Square One TV*, which aired on public television stations from 1987 to 1992. Aimed at kids aged 8 to 12, the show used a detective segment called "Mathnet", comedy sketches, and music videos to spark interest in mathematics. Schneider also led development of *Math Talk*, the school version of *Square One*. He was the content director for a mathematics game show called *Risky Numbers* and also for an animated science series called *Cro*, which aired on ABC.

Schneider was born in Lebanon, Pennsylvania, and received his Ph.D. in mathematics in 1968 at the University of Oregon under the direction of David Harrison. The title of his thesis was *A Categorical Setting for the Local Theory of Primes*. While teaching at Pennsylvania State University, he became interested in school mathematics education. In 1983 he joined *Sesame Workshop*. He was a member of the AMS and the MAA.

In 1993 the Joint Policy Board for Mathematics awarded Schneider its Communications Award for his work on *Square One*. At the International Congress of Mathematicians in Zurich in 1994, Schneider presented a lecture on mathematics popularization.

—Allyn Jackson