Mathematics People

Presidential Faculty Fellows Named

Last August President Clinton named fifteen scientists and fifteen engineers as recipients of the 1995 Presidential Faculty Fellow Awards. These annual awards recognize young faculty members who demonstrate excellence and promise in research and in teaching. Each award carries a grant from the National Science Foundation of $100,000 per year for up to five years. Fellows undertake self-designed, innovative research and teaching projects, establish research and teaching programs, and pursue other academic activities.

Among the awardees were two in the mathematical sciences. CHRISTOPHER RAY JOHNSON of the University of Utah has joint appointments in the departments of bioengineering, computer science, mathematics, and physics. His research interests are in the area of scientific computing, especially inverse and imaging problems, adaptive methods for partial differential equations, automatic mesh generation, numerical analysis, large-scale computational problems in medicine, and scientific visualization. Johnson received his B.A. in physics and chemistry in 1982 from Wright State University and his Ph.D. in biophysics and computing from the University of Utah, where he remained as a researcher and is now an assistant professor.

DANIEL N. ROCKMORE is in the Department of Mathematics at Dartmouth College. His primary research interests are in computational harmonic analysis and in particular focus on generalizations of the fast Fourier transform and their applications to data analysis, signal processing, and algebraic combinatorics. Other research interests include probability, computational group theory, and dynamical systems. Rockmore received his bachelor's degree in mathematics from Princeton University in 1984 and his Ph.D. in mathematics from Harvard University in 1990. The following year he joined the faculty at Dartmouth as an assistant professor.

—Allyn Jackson

CAREER Awards Made

The National Science Foundation has announced the names of awardees in a new program designed to encourage scientists and engineers to integrate their research and education efforts earlier in their careers. The Faculty Early Career Development (CAREER) program grants are awarded to junior-level university faculty. Out of 1,735 proposals submitted, 337 were awarded grants, including 16 in the mathematical sciences. The 3–5 year grants range from $70,000 to $300,000. The CAREER program was created two years ago by bringing together a number of NSF programs, including the NSF Young Investigator Awards.

The list below gives the names of the awardees in the mathematical sciences, together with their institutional affiliations and the titles of their projects.

ROBERT ALMGREN, University of Chicago, Numerical analysis for materials science problems and math education for elementary teachers; DANIEL BENTIL, University of Massachusetts, Amherst, Mathematical biology; CLARA CHAN, Virginia Polytechnic Institute & State University, Combinatorics of convex polytopes and teaching with technology; ALAN EDELMAN, Massachusetts Institute of Technology, Analyzing and improving numerical algorithms for eigenproblems using singularity theory and Riemann-

ian geometry; DAVID GOLDBERG, Purdue University, Intertwining operators, *R*-groups and automorphic *l*-functions; BIRGIT GRUND, University of Minnesota, Smoothed nonparametric hazard regression; ELIZABETH HOUSWORTH, University of Oregon, Eugene, Isoperimetric-type inequalities arising from the study of Brownian motion in domains normalized by their inradius; TYLER JARVIS, Mississippi State University, Moduli of generalized spin curves, and class size and calculus learning; CAROLYN JOHNSTON, Florida Atlantic University, Wavelets, frames and discrete group representations; GREGOR KOVACIC, Rensselaer Polytechnic Institute, Perturbation theory for near-integrable equations and its application; PHILIPPE LE FLOCH, University of Southern California, Numerical methods for conservation laws and application to non-standard shocks; JUN LIU, Stanford University, Bayesian methods for multiple sequence alignment and related statistical problems; JEFFERY MCNEAL, Princeton University, Complex analysis and partial differential equations; ANDREW NOBEL, University of North Carolina, Chapel Hill, Greedy growing and its applications; MARY SILBER, Northwestern University, Dynamical systems with symmetry: Applications to physical problems; and JOHN SWALLOW, Davidson College, Research in Galois theory and integrating technology in undergraduate mathematics.

—NSF Announcement

Deaths

GERTRUDE BLANCH, of San Diego, CA, died on January 1, 1996. She was a member of the Society for 60 years.

ELMER L. HENSLEY, of East Texas State University, died on January 18, 1996. Born on February 6, 1932, he was a member of the Society for 25 years.

KURT LEGRADY, retired from the University of Hamburg, Hamburg, Germany, died on December 19, 1995. Born on September 2, 1921, he was a member of the Society for 36 years.

ROBERT JOHN PIACENZA, professor of mathematics at the University of Alaska, died on January 22, 1996. Born on June 9, 1943, he was a member of the Society for 24 years.

ROBERT C. THOMPSON, professor of mathematics at the University of California Santa Barbara, died on December 10, 1995. Born on April 21, 1931, he was a member of the Society for 40 years.