

---

# Mathematics People

## National Academy of Sciences Elections

The National Academy of Sciences (NAS) has announced the election of sixty new members and fifteen foreign associates. Following are the names and affiliations of the mathematicians who are among the newly elected members: MARSHA J. BERGER, Courant Institute of Mathematical Sciences, New York University; FRANCIS A. DAHLEN JR., Princeton University; ARTHUR M. JAFFE, Harvard University; THOMAS KAILATH, Stanford University; SIMON A. LEVIN, Princeton University; GEORGE C. PAPANICOLAOU, Stanford University; KENNETH A. RIBET, University of California, Berkeley; and GRACE WAHBA, University of Wisconsin, Madison. SIMON K. DONALDSON of Imperial College, University of London, was elected as a foreign associate.

—From NAS announcement

## Académie des Sciences Elections

The Académie des Sciences de Paris has announced the election of three mathematical scientists to membership. They are: PIERRE AUGER, Université Claude Bernard Lyon 1; GÉRARD BRICOGNE, Université Paris-Sud, Orsay; and THIBAUT D'AMOUR, Institut des Hautes Études Scientifiques.

—From an Académie des Sciences announcement

## McFadden Receives Nemmers Prize in Economics

Northwestern University has awarded its 2000–2001 Nemmers Prize in Economics to DANIEL L. MCFADDEN, the E. Morris Cox Professor of Economics at the University of California, Berkeley. The prize carries a \$100,000 stipend.

The Nemmers Prizes are awarded every other year to scholars who display “outstanding achievement in their discipline as demonstrated by major contributions to new knowledge or the development of significant new modes of analysis.” In connection with the prize, McFadden will spend a period of residence at Northwestern.

McFadden has made pioneering contributions in econometrics and has been highly influential in theoretical and applied economics. His 1973 article “Conditional Logit Analysis of Qualitative Choice Behavior” is recognized as one of the most important milestones in the development of microeconometrics, the field that deals with the analysis of economic data using models of consumer and firm behavior. Through this and many subsequent articles and books, McFadden founded modern econometric research on the analysis of discrete choice. The models and methods that he developed have become standard tools used to interpret the decisions made by consumers, firms, and governments in a wide variety of contexts.

Among McFadden’s other major methodological innovations are the proposed novel estimation methods that use simulation techniques to approximate the values of functions that are otherwise too difficult to calculate. Early in his career he performed important research on the theoretical and econometric analysis of production decisions by firms. McFadden has throughout his career complemented his methodological research with important contributions to many fields of applied economics. He is widely respected for his research on travel demand forecasting, consumer utilization of energy-consuming appliances, the economics of aging, and the use of contingent valuation methods to value public goods.

McFadden has held permanent faculty positions at the University of Pittsburgh, the Massachusetts Institute of Technology, and the University of California at Berkeley. He currently is director of the Econometrics Laboratory at Berkeley.

He is a member of the American Academy of Arts and Sciences and the National Academy of Sciences. He received the John Bates Clark Medal of the American Economics Association and the Frisch Medal of the Econometric Society. In 1985 McFadden served as president of the Econometric Society.

The Nemmers Prizes, initiated in 1994, were made possible through bequests from the late Erwin E. Nemmers, a former member of the Northwestern University faculty, and his brother, the late Frederic E. Nemmers, both of Milwaukee, Wisconsin.

—*From Northwestern University news release*

## 2000 Prize for Achievement in Information-Based Complexity

SERGEI PEREVERZEV of the Institute of Mathematics, Ukrainian Academy of Science, has been awarded the Prize for Achievement in Information-Based Complexity for 2000. He was cited for “numerous outstanding contributions to information-based complexity.”

The award, consisting of \$3,000 and a plaque, will be presented at the Workshop on Algorithms and Complexity for Continuous Problems at Schloss Dagstuhl, Germany, in September 2000.

—*Joseph F. Traub, Columbia University*

## PECASE Awards Announced

Sixty young researchers have been chosen to receive the 1999 Presidential Early Career Awards for Scientists and Engineers (PECASE). This award is the highest honor bestowed by the U.S. government on outstanding young scientists, mathematicians, and engineers who are in the early stages of establishing their independent research careers.

The recipients were selected from nominations made by nine participating federal agencies. Each recipient receives a five-year grant of up to \$500,000 to further his or her research and educational efforts.

KEN ONO of Pennsylvania State University was one of twenty recipients nominated by the National Science Foundation. He was honored for outstanding contributions to number theory and for his ability to foster mathematical abilities in students at different levels.

—*Elaine Kehoe*

## 1999 and 2000 CAREER Awards Made

A number of mathematicians have been honored by the National Science Foundation (NSF) in fiscal years 1999 and 2000 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 CAREER grant awardees for 1999 and the titles of their grant projects are: LIMING GE, University of New Hamp-

shire: Operator algebras and applications; MICHAEL HOLST, University of California, San Diego: Adaptive multilevel finite element methods with applications to biomolecules and gravitation; LUDMIL KATZARKOV, University of California, Irvine: Nonabelian Hodge theory and monodromy actions; KEN ONO, Pennsylvania State University, University Park: Topics in number theory; and GUENTHER WALTHER, Stanford University: Statistics for flow cytometry and freshman seminars.

The CAREER grant awardees for 2000 are: SARA BILLEY, Massachusetts Institute of Technology: Combinatorial structures in algebra and geometry; BENSON FARB, University of Chicago: Topics at the intersection of geometry, topology, and group theory; LAURENT JAY, University of Iowa: Development, analysis, implementation, and application of innovative structure-preserving integrators for constrained systems in mechanics; and CHRISTOPH THIELE, University of California, Los Angeles: Time-frequency analysis of multilinear operators and more general nonlinear operators.

—*From NSF announcement*

## Deaths

RICHARD F. ARENS, professor emeritus, University of California, Los Angeles, died on May 3, 2000. Born on April 24, 1919, he was a member of the Society for 57 years.

HERTA T. FREITAG, professor emeritus, Hollins University, Roanoke, VA, died on January 25, 2000. Born on December 6, 1908, she was a member of the Society for 51 years.

L. M. LE CAM, professor emeritus, University of California, Berkeley, died on April 25, 2000. Born on November 18, 1924, he was a member of the Society for 49 years.

LUCILLE MAIER, retired, from Tonawanda, NY, died on November 20, 1999. Born on March 6, 1920, she was a member of the Society for 54 years.

HENRY B. MANN, professor emeritus, University of Arizona, Tucson, died on February 1, 2000. Born on October 27, 1905, he was a member of the Society for 58 years. He received the AMS Cole Prize in 1946.

GEORGE S. MCCARTY, University of California, Irvine, died on March 19, 2000. Born on October 21, 1926, he was a member of the Society for 40 years.

ROSE MARY MILLER, retired, from Barnet, VT, died on March 13, 2000. Born on November 23, 1911, she was a member of the Society for 52 years.

EARLE F. MYERS, professor emeritus, University of Pittsburgh, died on January 21, 2000. Born on November 3, 1915, he was a member of the Society for 46 years.

THEODORE P. PALMER, professor emeritus, Rose-Hulman Institute of Technology, Terre Haute, IN, died on April 17, 2000. Born on November 19, 1906, he was a member of the Society for 69 years.

MARCEL K. SUCHESTON, a graduate assistant at Texas A&M University, College Station, died on April 24, 2000. Born on May 17, 1970, he was a member of the Society for 6 years.

ABRAHAM H. TAUB, professor emeritus, University of California, Berkeley, died on August 9, 1999. Born on February 1, 1911, he was a member of the Society for 62 years.