



Office of the Provost

4400 University Drive, MS 3A2, Fairfax, Virginia 22030

Phone: 703-993-8776; Fax: 703-993-8645

LIST OF REPRESENTATIVE FACULTY MEMBERS, APRIL 2005

RAYMOND AKWULE

Associate Professor of Communication

Executive Director, Center for Media Research and Telecommunications

Akwule is an expert on Internet connectivity and global information infrastructure in Africa and trends in African telecommunications, broadcasting, and computer industries. He is a member of United Nations Economic Commission for the African Technical Advisory Committee and a policy and technical advisor to the UN Development Program for Internet and Information Technology projects in Africa. Akwule is founder of AFCOM, an organization that provides telecommunications policy, Internet Service Provider consulting, and promotes technology transfer between Africa and the world.

KEN ALIBEK

Distinguished Professor of Medical Microbiology and Immunology

Director of Education, National Center for Biodefense

Before defecting to the United States in 1992, Alibek served as first deputy chief of the civilian branch of the former Soviet Union's offensive biological weapons program, where he gained more than 20 years of experience in development, management, and supervision of biocontainment facilities. Subsequently, he has served as a consultant to numerous U.S. government agencies in the areas of industrial technology, medical microbiology, biological weapons defense, and biological weapons proliferation. His current work focuses on developing novel approaches to combat the threats posed by biological weapons.

CHARLES L. BAILEY

Distinguished Professor of Biology

Executive Director, National Center for Biodefense

During his 25-year career in the U.S. Army, Bailey held research and development and managerial roles in the field of infectious diseases and biological weapons defense, including Commander of the U.S. Army Medical Research Institute of Infectious Diseases. He also has designed and supervised the construction of biocontainment facilities and has led medical and scientific research programs dedicated to the development of new forms of medical protection against biological weapons and other infectious diseases. The results of his numerous studies have been widely published in scientific journals and presented at numerous national and international conferences and to U.S. government officials.

SHAUL BAKHASH

Robinson Professor of History

Bakhash is an expert on the history and politics of modern Iran. His most recent book is *Reign of the Ayatollahs: Iran and the Islamic Revolution* (Basic Books, 1990). His current research interests include the debates taking place in Iran and the Islamic world on the compatibility of Islam with concepts of civil society, individual rights, religious tolerance, women's rights, and popular sovereignty. Bakhash is frequently interviewed on radio and television about current Iranian politics and foreign relations.

MICHAEL M. BEHRMANN

Professor of Education

Director, Helen A. Kellar Institute for Human disAbilities Research

Behrmann's interests in assistive technology that enables individuals with disabilities to function in the world of school, work, home, and community include such applications as web access, computer-based

instructional materials, expert systems, virtual reality, and innovations in personnel development. During his 20 years at George Mason, Behrmann has obtained over \$10 million in grants, contracts, and gifts for training, technical assistance, and research.

ESTELA BLAISTEN-BAROJAS

Professor of Computational Sciences and Informatics

Blaisten-Barojas is interested in theoretical and simulation studies of nanostructured materials and clusters. She founded the Laboratory for Computer Design of Materials. During her eight years at George Mason, she has produced 23 publications in leading physics journals, presented 36 works at conferences, and has brought more than \$1 million in external funding.

DEBORAH BOEHM-DAVIS

Professor of Psychology

Boehm-Davis leads a team of researchers at George Mason supported by the Air Force and other organizations, which has made major contributions to understanding the interaction between human cognitive capabilities and the design of major military systems, including high-performance aircraft. Her work also addresses issues on the ground, including the effect of cognitive load on passenger-auto and commercial-truck drivers.

MICHAEL S. BRONZINI

Dewberry Chair of Civil, Environmental, and Infrastructure Engineering

Bronzini conducts research on transportation systems, planning and designing systems to make transportation work for everyone from commuters to shippers. From 1990 to 1999 Bronzini was director of the Center for Transportation Analysis at Oak Ridge National Laboratory in Oak Ridge, Tennessee. Prior to that, he was professor and head of civil engineering at Pennsylvania State University.

ALAN CHEUSE

Professor of English

Cheuse is author of three novels, two collections of short fiction, and several nonfiction book including the memoir *Fall Out of Heaven*. As a book commentator, Cheuse is a regular contributor to National Public Radio's *All Things Considered* and serves as the host and co-producer of NPR's syndicated fiction short story magazine "The Sound of Writing." His articles, magazine journalism, and reviews have appeared widely and his short fiction has been published in *The New Yorker*, *Black Warrior Review*, *Boston Globe Sunday Magazine*, *Another Chicago Magazine*, and elsewhere.

TIMOTHY J. CONLAN

Professor of Government and Politics

Conlan's research and writing explores federalism, legislative politics, and public policy; his most recent book is *From New Federalism to Devolution: Twenty-five Years of Intergovernmental Reform* (Brookings Institution Press, 1998). An earlier book, *New Federalism: Intergovernmental Reform from Nixon to Reagan* (Brookings Institution Press, 1988), was awarded a 1998 prize for "the best book in federalism and intergovernmental relations published at least 10 years ago that has made a lasting contribution" by the American Political Science Association.

PAUL D'ANDREA

Robinson Professor of Theatre and English

Though a scholar and playwright, he began his career as a physics major at Harvard University. D'Andrea's prize-winning plays include *The Trouble with Europe* (French, 1981), *The Einstein Project*, *The Wonderful One-Hoss Shay*, and *Nathan the Wise*. In addition, D'Andrea helped to found Theater of the First Amendment at George Mason.

RICK DAVIS

Artistic Director, Theater of the First Amendment and Center for the Arts
Associate Dean, College of Visual and Performing Arts
Visiting Associate Professor of Theater

Davis was a dramaturg and associate artistic director at Baltimore's Center Stage; has directed widely in the professional and academic theater; and is an active translator and essayist. His book *Writing about Theatre* (Allyn Bacon, 1999), co-written with Christopher Thaiss, chair of George Mason's English Department, is the only college textbook specifically addressing the subject.

SUSANNE AYERS DENHAM

Professor of Psychology

Author of a major book in her field, *Emotional Development in Young Children* (Guilford, 1998), Denham studies the roles of teachers, parents, and early intervention programs in preschoolers' social and emotional development.

JEAN-PAUL DUMONT

Robinson Professor of Anthropology

Originally trained in anthropology in France under Lévi-Strauss, Dumont's current research centers on the peasant cultures of the Philippine lowlands—ethnographic representation and interpretation. His publications include *The Headman and I* (Waveland Press, 1978, 1992) and *Visayan Vignettes: Ethnographic Traces of a Philippine Island* (Ateneo de Manila University Press, 1992).

AMITAVA DUTTA

LeRoy Eakin Endowed Chair in Electronic Commerce
Professor of Management Information Systems

Recently appointed an international research fellow at the Electronic Commerce Research Center of the Korea Advanced Institute of Science and Technology, Dutta serves on the editorial boards of several information technology journals, and on program committees of national conferences in information technology. His research interests include telecommunications and electronic commerce, systems thinking/business simulation, and decision support systems.

RICHARD FLORIDA

Omer L. and Nancy Hirst Professor of Public Policy

He has gained renown for his revolutionary research into the rise of creativity in American lives and the impact it has on work, communities, and leisure pursuits. Florida's ideas and his book, *The Rise of the Creative Class*, sparked an international movement to transform urban living standards to embrace the values and attitudes of workers who create for a living, including artists, engineers, writers, and entertainers. His work is causing a wholesale reexamination of urban policies, as cities seek companies that create jobs in creative fields.

STEPHEN FULLER

Professor in the School of Public Policy

Fuller's research on the changing economic structure of the Washington metropolitan area has led to the development of a series of indicators that track the current and near-term performance of the area's economy. He also researches the impact of the changing role of the federal government as a major source of new jobs and business activity within the overall economy. He serves on Governor Gilmore's Advisory Board of Economists for the Commonwealth of Virginia, and is an economic advisor to Fairfax County, Virginia. Fuller is president of Economic Reporter, Inc., and Economic Reporter Online.

BARBARA GIVEN

Research Faculty
Codirector, Adolescent and Adult Learning Research Center

Given is an expert on the application of brain research to education. She is working to apply what we know about how the brain works to improve educational strategies for at-risk students. She is conducting research on computer-driven modified language programs for individuals, especially adolescents, with

reception language disorder, a condition that also affects an individual's ability to read. She compares different interventions designed to help children overcome or at least compensate for this disability.

HASSAN GOMAA

Professor of Information and Software Engineering

Gomaa is an internationally recognized authority on software design and software reuse. The design methods he developed have been widely used in industry, and his book *Software Design Methods for Concurrent and Real-Time Systems* (Addison Wesley, 1996, 1993) on the design of real-time systems is highly regarded. Gomaa's current research focuses on methods and tools for the evolutionary design of software product lines. He applies his considerable industrial experience in both his teaching and research to ensure relevance and practicality.

MARC GOPIN

James H. Laue Chair in World Religions, Diplomacy, and Conflict Resolution

Director, Center for World Religions, Diplomacy, and Conflict Resolution

Gopin is a consultant, researcher, and trainer in conflict resolution with a specialty in the relationship among culture, religion, and conflict. He has worked intensively on conflict resolution between Arabs and Jews and is the author of *Between Eden and Armageddon: The Future of World Religions, Violence, and Peacemaking*; and *Holy War, Holy Peace: How Religion Can Bring Peace to the Middle East*.

ROBERT M. HAZEN

Robinson Professor of Earth Sciences

A staff scientist at the Geophysical Laboratory in Washington, D.C., Hazen led teams that identified several high temperature superconductors. His interests include scientific research in crystallography and the origin of life, the history of science, and science writing for general audiences. In addition, Hazen has worked as a professional symphonic trumpeter. His 60-lecture series *The Great Principles of Science* is available through the Teaching Company.

HUGH HECLLO

Robinson Professor of Public Affairs

Recognized as an expert on government and social policies of western Europe and the U.S., Hecllo received awards for his books, including *Comparative Public Policy: The Politics of Social Choice in Europe and America* (Bedford Books, 1990) and *Modern Social Politics in Britain and Sweden* (Yale University Press, 1974). His current interests are in American national politics and social welfare policy.

JENEFIR ISBISTER

Research Professor, Center for Bioresource Development

Isbister was awarded two patents on rapid field tests for total microbes and total coliforms/*E. coli* in water and foods as part of an effort to facilitate real-time testing for microbes of public health consequence. These products are now available commercially. She also researches nutrient cycling in the estuaries of the Chesapeake Bay, screens biological metabolites for antibacterial activities, and evaluates natural antifreezes.

SUSHIL JAJODIA

Professor and Chair of the Information and Software Systems Engineering Department

Director, Center for Secure Information Systems

The Center for Secure Information Systems was recently designated as one of seven centers of excellence in information assurance education by the U.S. National Security Agency. Jajodia has written two books, edited 15 books, and published more than 200 technical papers in refereed journals and conference proceedings. He received the 1996 Kristian Beckman award for his contributions to the discipline of information security. Currently his research is funded by NSF, DARPA, NSA, ONR, ARL, and AFRL/Rome, and his consulting clients include MITRE, IBM, Logicon, and Veridian.

MENAS KAFATOS

Professor of Astronomy

Dean, School of Computational Sciences Director, Center for Earth Observing and Space Research (CEOSR)

Kafatos's fields of research include remote sensing/earth observing and data information systems, theoretical and computational astrophysics, observational astronomy, space sciences, computational fluid dynamics, foundations of quantum theory, quantum theory and brain dynamics, and consciousness and quantum theory. He has received external funding from a three-year \$2.85 million Earth Science Information Partnership, NASA CAN; a five-year \$1.8 million per year cooperative agreement with the Global Change Data Center, NASA; and a 10-year, \$300 thousand per year cooperative agreement with the Naval Research Laboratory. His works have been cited more than 900 times in professional journals and books, and he is the author of more than 150 articles and has written or edited eight books.

JEROME B. KERNAN

Commonwealth Eminent Scholar

GMU Foundation Professor of Behavioral Analysis

In the School of Management, Kernan's teaching and research focus on consumer behavior. He has consulted with a variety of consumer-goods manufacturers and media companies in the private sector and with several government agencies and not-for-profit organizations in the public sector. He is active in the American Marketing Association and the Society for Consumer Psychology, and is a founding member of the Association for Consumer Research.

GARY KREPS

Steve A. and Eileen P. Mandell Professor in Health Communication

Chair, Department of Communication

Kreps' areas of expertise include health communication and promotion, information dissemination, organizational communication, information technology, multicultural relations, and applied research methods. He is an active scholar whose published work includes more than 200 books, articles and book chapters, and special issues of scholarly journals concerning the applications of communication knowledge in society.

ALEXANDER H. LEVIS

University Professor of Electrical, Computer, and Systems Engineering

A fellow of the Institute of Electrical and Electronic Engineers (IEEE) and past president of the IEEE Control Systems Society, from which he received the Distinguished Member Award, Levis is a fellow of the American Association for the Advancement of Science. His research interests for the last fifteen years include architectures for command and control, organization theory and design, human decision making, and distributed intelligence systems. In 1996, he received the Armed Forces Communication and Electronics Association's Educational (AFCEA) Foundation Award for distinguished service to education.

SAMUEL ROBERT LICHTER

Professor of Communication

President of the Center for Media and Public Affairs, Lichter is a nationally-recognized expert on media coverage. His recent books include *The Nightly News Nightmare; It Ain't Necessarily So: How the Media Remake Our Picture of Reality;* and *Environmental Cancer: A Political Disease?* He has testified before Congress on media coverage and scientific issues, is a statistical consultant to Voters News Service, and is a member of the American Statistical Association.

LANCE A. LIOTTA

Professor of Life Sciences

Co-director, Center for Applied Proteomics and Molecular Medicine

Liotta is internationally recognized for his research in proteomics and molecular medicine. During his 29-year career at the National Cancer Institute, his scientific vision resulted in numerous discoveries that led

to the development and implementation of innovative technologies and therapies for the diagnosis and treatment of cancer. Liotta's current research focuses on the discovery and identification of biomarkers for early disease detection and risk assessment, and the analysis of molecular pathways in diseased tissue to determine individualized and targeted treatment for patients.

RAINALD LÖHNER

Professor of Computational Sciences and Informatics

Löhner leads the Computational Fluid Dynamics group that specializes in the development and application of field solvers using unstructured grids. The group has made significant contributions in data acquisition and preprocessing, grid generation, compressible and incompressible flow solvers, particle and particle-mesh solvers, free surface flows, fluid-structure interaction, adaptive grid refinement, the efficient use of supercomputing hardware, visualization, and data synthesis. Some of the software developed by the group has been used to carry out simulations of considerable notoriety: the explosions of the World Trade Center, the American Embassy in Nairobi, and the Challenger Space Shuttle; the inflation of airbags; flows in the carotid, renal, and cerebral arteries; and chip cooling.

KEVIN McCABE

Professor of Economics and Law

Interdisciplinary Center for Economic Science

McCabe currently serves on the Board of Directors of the International Foundation for Research in Experimental Economics, and he has taught at the University of Arizona, the University of Minnesota, and Washington University. McCabes research interests include neuroeconomics, experimental economics, economic theory and industrial organization. His most recent work, "A Functional Imaging Study of Cooperation in Two-Person Reciprocal Exchange," will be published in *Proceedings of the National Academy of Sciences*.

SCOTT MARTIN

Visiting Assistant Professor of Art and Visual Technologies

Assistant Dean, Technology, Research, and Advancement, College of Visual and Performing Arts

Martin is an expert on music/motion network-based interactive performance systems; multimedia web design; multimedia applications and languages including video, sound, 2D/3D imaging, MIDI software; and new media creativity. His research includes broad bandwidth 3D multipoint content interface design, 3D CBT modules, multimedia information design enhancements for network systems, and intuitive/smart search engine development. He directs the undergraduate and graduate fine arts programs.

MARGO MASTROPIERI AND TOM SCRUGGS

Professors of Education

Mastropieri and Scruggs conduct research on how students with special needs learn subject matter. Their studies have investigated what conditions must be necessary for students in special education to engage in learning and achieving. Few researchers in the country concentrate on the mix of special education and content learning.

CAROL MATTUSCH

Mathy Professor of Art History

Mattusch is one of the leading world experts on Greek bronzes. Her work on the Villa dei Papiri (published by the Getty Museum) is the most important on the topic, and her book *Classical Bronzes: The Art and Craft of Greek and Roman Statuary* (Cornell University Press, 1996) has presented a completely new way of looking at Greek sculpture, revolutionizing the field. She was appointed Mathy Professor of Art History in 1989 and received the first College of Arts and Sciences Scholarly Award in 1998.

LINDA MILLER

Professor of Dance

Associate Dean, Academic Affairs and Student Advancement, College of Visual and Performing Arts

In addition to having performed at the renowned Steirscher Herbst Festival in Graz, Austria, she will be teaching and staging American Musical Theatre as an Artist-in-Residence in St. Moritz, Switzerland.

PATRICIA A. MILLER

Associate Professor of Music and Artist-in-Residence

Associate Professor of Music and Director of Vocal Studies

As a Fulbright Scholar, Miller received her Artists' Diploma in Performance from the Accademia di Santa Cecilia in Rome, Italy after earning her M.M. from the New England Conservatory. An internationally acclaimed mezzo-soprano, Miller has appeared in leading operatic roles with major opera companies in the United States, Europe, South America, Canada, Australia, and Japan. Miller made her European Opera Debut with the Basel Opera, Basel Switzerland, as Isabella in Rossini's *L'Italiana in Algeri*, and has since performed with opera companies in Paris, Melbourne, and Germany. Equally at home on the recital and concert stage, Miller has appeared as guest artist with the Symphonies of Boston and Rochester, Manhattan Philharmonic, and the American Symphony at Carnegie Hall among many others.

HAROLD J. MOROWITZ

Robinson Professor of Biology and Natural Philosophy

Morowitz is a biophysicist, and founding director of George Mason's Krasnow Institute for Advanced Study. He has written extensively on popular topics in science and is the editor-in-chief of the journal *Complexity*. From 1951-1953 he was a physicist at the National Bureau of Standards and served on the staff of the National Heart Institute from 1953-1955 before joining the faculty of Yale University in 1955. His current research is on the origins of life.

JAMES OLDS

Krasnow Research Professor of Psychology

Director, Krasnow Institute for Advanced Study

Olds is the director of the Krasnow Institute for Advanced Study, which is dedicated to the study of human cognition. He is a neuroscientist and the author of two U.S. patents for medical imaging devices. Olds is an expert on the neurobiology of love and romance, and neurological diseases, including Alzheimer's, Parkinson's, Huntington's, and ALS. His late father, James L. Olds, Sr., first discovered the pleasure center in the brain.

JOHN N. PADEN

Robinson Professor of International Studies

Codirector, Center for Asia-Pacific Economic Cooperation

Paden, a distinguished Africanist, is coauthor of the first edition of *Black Africa: A Comparative Handbook* (Collier-Macmillan, 1972) and is involved in developing global perspectives in the university curriculum. His publications range from a highly acclaimed interdisciplinary textbook series on African studies to a prize-winning study of Nigerian political culture, and the biography of a Nigerian Muslim leader.

EMANUEL F. PETRICOIN III

Professor of Life Sciences

Co-director, Center for Applied Proteomics and Molecular Medicine

Petricoin is internationally recognized for his research in proteomics and molecular medicine. He began his mission to make a positive impact on public health when he joined the Food and Drug Administration in 1990, where he continued his research until recently joining George Mason. Petricoin's current research focuses on the discovery and identification of biomarkers for early disease detection and risk assessment, and the analysis of molecular pathways in diseased tissue to determine individualized and targeted treatment for patients.

JAMES PFIFFNER

Professor of Government and Politics

An internationally known scholar of the U.S. presidency, Pfiffner has written eight books on the presidency, including *The Strategic Presidency: Hitting the Ground Running* (Brooks/Cole, 1988), now in its second edition. He recently won the College of Arts and Sciences Award for Scholarship at George Mason.

SERGUEI G. POPOV***Director of Research, National Center for Biodefense***

Popov was a research scientist and project leader in the former Soviet Union's offensive biological weapons program for more than 15 years. He was recognized by the Soviet government for outstanding achievements in microbiological research, his work was widely published in scientific journals, and he was granted several patents. A scientist and educator in the United States since 1993, Popov's current research focuses on mechanisms of anthrax pathogenesis, host-pathogen interactions, bioinformatics, and biodefense.

PRISCILLA M. REGAN***Associate Professor of Government and Politics***

Regan's principal research interest is in privacy, technology, and the Internet, as reflected in her 1995 book *Legislating Privacy: Technology, Social Values, and Public Policy* (University of North Carolina Press). She also is pursuing research in digital government with Julianne Mahler, Associate Professor of Government and Politics at George Mason.

ROY A. ROSENZWEIG***Professor of History******Professor of the Center for the Study of the Americas******Director, Center for History and New Media***

Rosenzweig received the 1999 Outstanding Faculty Award from the State Council of Higher Education for Virginia. His book *The Presence of the Past: Popular Uses of History in American Life* (Columbia University Press, 1998) won the Historic Preservation Book Prize for Best Book in 1998. He is a leader in the teaching of history through electronic media and a College of Arts and Sciences Distinguished Scholar.

MARK ROZELL***Professor of Public Policy***

Rozell is an expert on American politics and policy, with an emphasis on religion and politics, the U.S. presidency, and separation of powers. He frequently supplies expert commentary to national media. His latest books include *Power and Prudence: The Presidency of George H.W. Bush*; *Executive Privilege: Presidential Power, Secrecy, and Accountability*; and *Interest Groups in American Campaigns: The New Face of Electioneering*.

RICH RUBENSTEIN***Professor in the Institute for Conflict Analysis and Resolution***

Rubenstein is an expert on political and religious violence; methods of resolving political, religious, and violent conflict; terrorism; U.S. military intervention and the New World Order. He is author of *When Jesus Became God: The Epic Fight over Christ's Divinity in the Last Days of Rome* (Harcourt Brace, 1999), about the violent struggle over Christ's divinity in the early Church, as well as *Alchemists of Revolution: Terrorism in the Modern World* (Basic Books, 1987), *Comrade Valentine* (Harcourt Brace, 1994), and *Framework for Interpreting Conflict*, a handbook for journalists.

STEPHEN RUTH***Professor in the School of Public Policy******Director, International Center for Applied Studies in Information Technology (ICASIT)***

As director of ICASIT, Ruth has received grant and contract awards totaling over \$3 million. His international IT projects cover fifteen countries in Africa, Asia, South America, and Central Europe. His research is focused on the problems of strategic planning associated with leveraging the use of information technology in large organizations.

DENNIS SANDOLE

Professor in the Institute for Conflict Analysis and Resolution (ICAR)

Author of *Capturing the Complexity of Conflict: Dealing with Violent Ethnic Conflict of the Post-Cold War Era* (Pinter, 1999), Sandole is a professor of conflict resolution and international relations and an expert on ethnic conflicts in post-Cold War Europe. Sandole has been a visiting scholar with the U.S. Arms Control and Disarmament Agency, a NATO research fellow, and a regional research scholar for the Fulbright Organization for Security and Cooperation in Europe.

TIMOTHY SAUER

CAS Distinguished Scholar

Professor of Mathematical Sciences

Sauer's research is directed at the interpretation of data from complex nonlinear systems of physical and biological origin. He collaborates on such problems with a wide range of scientists, including the biophysics group at the Krasnow Institute. His latest book *Chaos: An Introduction to Dynamical Systems* (Springer, 1996), written with Kathleen Alligood of George Mason's Mathematical Sciences Department, has ranked number one in sales in the advanced mathematics category at Amazon.com for over a year.

STEVEN J. SCHIFF

Professor of Psychology

Krasnow Professor of Neurobiology, Krasnow Institute for Advanced Study

A neurosurgeon and scientist, Schiff directs the Neural Dynamics Laboratory at the Krasnow Institute, an interdisciplinary group studying how the brain creates patterns of behavior and how such patterns can be controlled when they go awry, such as during epileptic seizures. The research is funded by more than \$1.5 million in grants from the National Institutes of Health and the National Science Foundation. His research into the electrical responses of individual and groups of neurons in the nervous system of primitive organisms has made important contributions to our understanding of brain functioning in higher organisms, including human beings.

FRANK SESNO

University Professor of Public Policy and Communication

Sesno is an expert on journalism and media coverage, with an emphasis on politics, political coverage, and the editorial decision-making process. He can address the impact of 24-hour, real-time, global reporting on public opinion, decision making, and public policy. Former senior vice president and Washington, D.C., bureau chief for CNN, his areas of expertise also include presidential communications and effectiveness, and journalism as a measure of national mood and direction in American society.

SUSAN SHIELDS

Assistant Professor of Dance

Shields has performed internationally with a variety of dancers and dance companies including Mikhail Barishnikov, Lar Lubovitch, Mark Morris, Laura Dean Dancers & Musicians, and the White Oak Dance Project.

JAGADISH SHUKLA

Professor of Computational Sciences and Informatics

Professor of Global Change

An associate fellow of the Third World Academy of Science, Shukla established a scientific basis for predicting global effects of deforestation, weather, and climate. He has published about 150 scientific papers, edited or coedited four books, and is a member of numerous national and international committees, panels, and advisory boards.

COLLEEN SHOGAN

Assistant Professor of Government and Politics

Shogan is an expert on American politics, the history of political philosophy, and presidential rhetoric. Her current book project examines the role of President George W. Bush as the nation's moral spokesman. It is her contention that moral and religious rhetoric should not be viewed simply as a

reflection of president character or as a fulfillment of American “civil religion,” but as a strategic tool used to enhance independent authority and power. She examines content analyses of the annual and inaugural addresses from President George Washington to the current President George Bush.

VERNON SMITH

2002 Nobel Prize in Economic Sciences Recipient

Professor of Economics and Law

Interdisciplinary Center for Economic Science

Smith is one of the leading experts on experimental economics, a growing field of economics that applies scientific method to economic theory. Smith and his colleagues at the Economic Science Lab have been testing economic theories inside a laboratory, complete with human subjects, for more than 40 years. The lab has worked with the Australian government on privatization issues, developed market designs for the Arizona stock exchange, and designed an electronic market for water in California. His most recent works, "Bargaining and Market Behavior, Essays in Experimental Economics" (Collected works) was published by the Cambridge University Press in 2000.

ARUN SOOD

Professor of Computer Science

Sood researches image analysis, multimedia computing, database engineering, networks, parallel and distributed computing, and modeling and simulation of these systems. At George Mason's Center For Image Analysis, Sood develops key technologies to help industry build next-generation imaging and multimedia systems and has established links between academic institutes, medical centers, and industry and government agencies.

VALERY N. SOYFER

Distinguished Professor of Molecular Genetics

Director, Laboratory of Molecular Genetics

Soyfer's current research is on human genome damage inflicted by severe contamination of residents in one of the Russian villages where huge amounts of radioactive materials were released due to the Chelyabinsk accidents. He also serves as executive director and chairman of the board of the International Soros Science Education Program that operates in four countries and supports more than 30,000 scholars and scientists in basic sciences. The five-year efforts of this program were praised highly by the presidents of Russia and Georgia—Boris Yeltsin and Eduard Shevardnadze, respectively.

PAUL STAVIS

Associate Clinical Professor of Law and Psychiatry

Director, Law and Psychiatry Center

Stavis wrote the legislation that created the Surrogate Decision-Making Program, the first program of its kind in the nation to delegate quasi-judicial powers to an all-volunteer body to determine informed consent for major medical procedures for people with mental disability. Stavis was formerly chief counsel for the New York State Commission on Quality of Care for the Mentally Disabled and has published extensively in the fields of mental health, mental retardation and developmental disabilities, civil rights, and governmental law.

DONNA R. STERLING

Assistant Professor of Education

Director, Center for Restructuring of Education in Science and Technology

Recognized for her work in helping to improve the teaching of science and technology in the primary and secondary schools, Sterling also works with George Mason University mathematics and science faculty to investigate research-based effective teaching and learning at the college level. Sterling has served as a research scientist, a science and mathematics teacher, a teacher educator, a curriculum developer, and a program director for education projects from kindergarten through graduate school. She has extensive experience in designing, directing, and evaluating science education programs.

JEFFREY C. STEWART

Associate Professor of History

Distinguished historian, Jeffrey C. Stewart, recipient of numerous awards and honors including the Smithsonian Institution Fellowship, received his Ph.D. from Yale in 1979 and came to George Mason University in 1985. Stewart specializes in U.S. intellectual and cultural history, and African American Studies and has served as the Director of Research at the Anacostia Museum, Smithsonian Institution, and Director of African American Studies at George Mason. Stewart's collection, *Paul Robeson: Artist and Citizen* (1998), served as a companion to a traveling exhibition marking the centennial anniversary of Robeson's birth on April 9, 1898. The book brought together 18 scholars and historians to the most detailed and balanced look at Robeson to date. He has written several other books, including *The Critical Temper of Alain Locke* (1982), and *1001 Things Everyone Should Know About African American History* (1996).

ROGER STOUGH

Northern Virginia Endowed Chair in Public Policy and Eminent Scholar

Associate Director, School of Public Policy

Director, Mason Enterprise Center for Regional Analysis and Entrepreneurship

Stough directs a large research center in institutional and political aspects of intelligent transportation systems in collaboration with University of Virginia, Virginia Tech, and the Virginia Department of Transportation. He directs a variety of economic analyses of the regional economy, constructing and using economic models to estimate economic change in the Washington, D.C. area as well as other U.S. regions. Stough also studies the high-technology industry in Virginia and oversees the work of the Mason Enterprise Center, which offers technical and business assistance to high-tech start-ups and small businesses in Northern Virginia.

JUNE TANGNEY

Professor of Psychology

Tangney's work focuses on moral emotions—shame, guilt, and empathy. She is interested in how the capacity for moral emotions develops, as well as in the impact of moral emotions on people's emotional adjustment and social behavior. Her research findings have substantial implications for parents' disciplinary practices, teaching strategies in the classroom, and numerous aspects of the criminal justice system.

SUSAN J. TOLCHIN

Professor in the School of Public Policy

A recognized scholar in the field of American government and politics, Tolchin is author of *The Angry American: How Voter Rage is Changing the Nation* (Westview, 1999). Tolchin's work has been widely cited in newspapers and journals, as well as in three Supreme Court decisions. She also cowrote *To the Victor: Political Patronage from the Clubhouse to the White House* (Vintage, 1972), *Clout: Womanpower and Politics* (Putnam, 1976), *Dismantling America: The Rush to Deregulate* (Houghton Mifflin, 1983), *Buying Into America: How Foreign Money is Changing the Face of Our Nation* (Times, 1988), and *Selling Our Security: The Erosion of America's Assets* (Knopf, 1992).

JAMES S. TREFIL

Robinson Professor of Physics

Physicist and author, Trefil writes extensively for general audiences and is known for his interest in teaching science to nonscientists. In 1988 he cowrote *The Dictionary of Cultural Literacy* (Houghton Mifflin). *Science Matters: Achieving Scientific Literacy* (Cassell, 1991) was cowritten with Robert Hazen, Robinson Professor of Earth Sciences at George Mason, and in 1995 they published *The Sciences: An Integrated Approach* (Wiley). Trefil also wrote *Other Worlds: The Solar System and Beyond*, a National Geographic Society publication.

EGON VERHEYEN

Robinson Professor of Humanities

A historian of European and American art and architecture, Verheyen has written on German medieval sculpture and architecture, and American architecture and city planning, as well as emblematic and literary studies. He is involved in implementing computer-assisted teaching innovations. He has been a member of the Institute for Advanced Study in Princeton, N.J., and the Max Planck Institut, Rome, Italy. He has taught in the United States since 1966.

EDWARD J. WEGMAN

Bernard J. Dunn Professor of Information Technology and Applied Statistics

Chair, Department of Applied and Engineering Statistics

Director, Center for Computational Statistics

Founder of the Interface Foundation of North America, Wegman's pioneering work in the interface of computing science and statistics has earned him numerous honors, including the 1999 Outstanding Research Award in the School of Information Technology and Engineering and the 1999 Army Wilks Medal. He is a fellow of the American Statistical Association and the American Association for the Advancement of Science.

LENORE J. WEITZMAN

Robinson Professor of Sociology

A sociologist, Weitzman studies law and the social effects of legal rules, as well as the Holocaust. She wrote *The Divorce Revolution* (Collier Macmillan, 1985) on the unexpected social effects of no-fault divorce laws, and is the coeditor of the collection *Women in the Holocaust* (Yale University Press, 1999, 1998). Her current work, based on interviews with survivors, is on Jews who used false documents to survive the Holocaust.

ROGER WILKINS

Robinson Professor of History and American Culture

Among his many posts, Wilkins has served as chairman of Pulitzer Prize Board and assistant attorney general during Johnson administration. He has had a distinguished journalism career, during which he shared the 1972 Pulitzer Prize with Woodward, Bernstein, and Herblock for Watergate coverage. A frequent guest on national radio and television news shows, Wilkins is the current chair of the board and publisher of the NAACP journal *Crisis*. He is the author of the highly acclaimed autobiography *A Man's Life* (Ox Bow Press, 1991), and his latest book, forthcoming in 2000, is called *Jefferson's Pillow: The Dilemma of Black Patriotism*.

WALTER E. WILLIAMS

John M. Olin Distinguished Professor of Economics

Williams research emphasis is on public choice and Austrian economics, focusing on the value of markets and competition for political decision-making and creating knowledge. He has frequently given expert testimony before Congressional committees on public policy issues ranging from labor policy to taxation and spending. He is best known as a syndicated columnist and frequent replacement host for the *Rush Limbaugh Show*.