

AGI Leadership Forum 2007
Communicating Geosciences to Policymakers
Speaker Biographies

E. Scott Bair is Professor and former Chair of Geological Sciences at Ohio State University. He has won multiple teaching awards. He teaches a multidisciplinary course called “Science in the Courtroom” using the hydrologic, geologic, and chemical data presented by expert witnesses in the famous ‘*A Civil Action*’ trial concerning the cluster of childhood leukemia cases in Woburn, Massachusetts. A mock trial is held at the end of the class where the undergraduate students act as expert witnesses and second-year law students as attorneys. Scott has been an expert witness on hydrologic and geologic cases before federal and state courts. Before joining the faculty at Ohio State, Scott worked as a hydrologist at the U.S. Geological Survey and as a senior geologist at Stone & Webster Engineering Corporation. He is a Certified Professional Geologist, a Fellow of the Geological Society of America, and co-author of the textbook *Practical Problems in Groundwater Hydrology*. Scott received his B.S. with honors in Geology from the College of Wooster and his M.S. and PhD in Geology from The Pennsylvania State University.

David Goldston is a Scholar in residence for the Program in Science, Technology, and Environmental Policy, at the Woodrow Wilson School at Princeton University. For six years, he was staff director of the House Science Committee and he oversaw most of the federal civilian research and development budget, including programs run by NASA, the National Science Foundation (NSF), the Department of Energy, the Department of Commerce and the Environmental Protection Agency. Prior to becoming staff director, he was a legislative director for Congressman Sherwood Boehlert (R-NY). He started as Boehlert’s press secretary, became his top environmental aide and for 9 years he served as a special assistant on the Subcommittee on Science, Research and Technology. In that role, he oversaw the programs of NSF and the National Institute of Standards and Technology and also directed Boehlert’s efforts to shut down the Superconducting Super Collider. In 1994 and 1995, David was project director at the Council on Competitiveness, a private sector group with members from industry, labor and academia. David was graduated magna cum laude with a B.A. in American history from Cornell University in 1978. He has completed the course work for a Ph.D. in American history at the in American history at the University of Pennsylvania.

John P. Holdren is the Director of the Woods Hole Research Center, the Teresa and John Heinz Professor of Environmental Policy and Director, Program in Science, Technology, and Public Policy at Harvard University and Professor of Environmental Science and Public Policy in the Department of Earth and Planetary Sciences at Harvard. He was a Professor of Energy and Resources at the University of California, Berkeley before moving to Harvard. John’s work has focused on causes and consequences of global environmental change, analysis of energy technologies and policies, ways to reduce the dangers from nuclear weapons and materials, and the interaction of content and process in science and technology policy. He is the author of some 300 articles and papers, and he has co-authored and co-edited some 20 books and book-length reports, such as *Energy* (1971), *Human Ecology* (1973), *Ecoscience* (1977), *Energy in Transition* (1980), *Earth and the Human Future* (1986), *Strategic Defences and the Future of the Arms Race* (1987), *Building Global Security Through Cooperation* (1990), *Conversion of Military R&D* (1998), and *Ending the Energy Stalemate* (2004). John is currently the President of AAAS. He received his B.S. and M.S. degrees in physics from the Massachusetts Institute of Technology and his PhD in physics from Stanford.

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Timothy L. Killeen is the Director of the National Center for Atmospheric Research (NCAR) in Boulder, Colorado, and a Senior Scientist at NCAR's High Altitude Observatory, where he leads an experimental and theoretical program in upper atmospheric research. Prior to joining NCAR, Killeen was a Professor of Atmospheric and Space Sciences at the University of Michigan, Director of the University of Michigan's Space Physics Research Laboratory and Associate Vice President for Research. Killeen has taught many courses at both undergraduate and graduate levels, including an innovative introductory course sequence for non-science majors dealing with the physical and human impacts of global change. He has been honored with both the Excellence in Teaching and the Excellence in Research awards from the College of Engineering at the University of Michigan, along with two NASA achievement awards. He is the President of the American Geophysical Union, a Fellow of the American Meteorological Society and a member of the National Academy of Engineers. He received a B.S. with honors in Physics and a Ph.D. in Atomic and Molecular Physics from the University College, London.

Robert M. Simon is Staff Director of the Committee on Energy and Natural Resources of the United States Senate. Since 1993, Bob's work for the United States Senate has addressed issues involving Federal basic and applied research programs, energy and environmental technologies, environmental regulation, economic development, and the management of Federal science and technology agencies. Specific issues for which he has been responsible include technology transfer, global climate change, energy efficiency and renewable energy, oil and gas policy, clean coal technology, nuclear waste policy, advanced nuclear reactor research and development, technical aspects of risk assessment in environmental regulation, nuclear medicine, and indoor air quality. Before coming to the Senate, he worked at the Department of Energy and the National Research Council of the National Academies of Sciences and Engineering. He was elected as a AAAS Fellow in 2007. Bob received his B.S. in Chemistry, magna cum laude, from Ursinus College in Pennsylvania and his Ph.D. in inorganic chemistry from the Massachusetts Institute of Technology.

Gene Whitney is the Assistant Director for Environment at the White House Office of Science and Technology Policy (OSTP). He initially came to OSTP as the U.S. Geological Survey representative to the National Science and Technology Council. Before coming to OSTP, Gene was Chief Scientist of the USGS Energy Resources Team in Denver, where he directed 100 research scientists conducting basic research on the geology, geochemistry, and geophysics of fossil fuels, and conducted national and global assessments of oil, natural gas, and coal resources. Between 1980 and 1996, he was a research scientist at the U.S. Geological Survey, specializing in the mineralogy and geochemistry of soils and sedimentary rocks. Target studies included diagenesis in sedimentary basins, soil geochemistry, low temperature reaction kinetics, hydrothermal mineral reactions, mineralogy and geochemistry of abandoned mine waste, multispectral remote sensing, and the formation and migration of petroleum. He has served as an advisor on oil and gas issues for USAID and State Department, working in Pakistan, Bangladesh, Algeria, China, and Russia. Gene holds B.S., M.S., and Ph.D. (Geology, University of Illinois) degrees.