
About the Authors

Rosalie Ruegg, managing director of TIA Consulting, Inc., specializes in the economic assessment of new technologies. Recent clients include the National Academies of Science, Harvard University, the Department of Energy, the State of Indiana, Finland's national technology program, Johns Hopkins University, other agencies of government, and other private and non-profit consulting companies. Prior positions include director of the ATP's Economic Assessment Office, senior economist in NIST's Center for Applied Mathematics, and financial economist for the Federal Reserve System's Board of Governors. Among her more than 60 publications is a case-study guide for science managers, proceedings of an international workshop on evaluation, and an economics textbook. She has served on various editorial boards, most recently as economics editor of Macmillan's *Encyclopedia of Energy*. A former member of the Federal Senior Executive Service, she received the Department of Commerce Gold Medal Award for excellence and the Institute of Industrial Engineers' 2001 Wellington Award for contributions to the field of engineering economics. She received degrees in economics from the Universities of North Carolina (Phi Beta Kappa, cum laude) and Maryland (Woodrow Wilson Fellow), an M.B.A from The American University, and extensive executive training.

Dr. Irwin Feller is Senior Visiting Scientist, American Association for the Advancement of Science and Professor Emeritus of Economics, The Pennsylvania State University, where he served on the faculty from 1963–2002, and as director, Institute for Policy Research and Evaluation from 1977–2002. Dr. Feller's current research interests include the evaluation of federal and state science and technology programs, the economics of academic research, and the university's role

in technology-based economic development. He is the author of *Universities and State Governments: A Study in Policy Analysis*, and over 100 refereed journal articles, final research reports, and book chapters. He has been a consultant to the President's Office of Science and Technology Policy, National Aeronautics and Space Administration, the Carnegie Commission on Science, Technology, and Government, the Ford Foundation, the Cleveland Foundation, National Science Foundation, National Institute of Standards and Technology, U.S. General Accounting Office, U.S. Department of Education, the U.S. Department of Energy, and to several state governments and universities. He has served on National Academies committees on international benchmarking of U.S. science and manufacturing modernization, and chaired the American Association for the Advancement of Science's Committee on Science, Engineering, and Public Policy. He chairs the National Science Foundation's Advisory Committee for Social, Behavioral, and Economic Sciences, and is a member of its Advisory Committee on the Government Performance and Results Act, the Institute of Medicine's Committee for Assessment of Excellence Programs at NIH, and the National Research Council's Transportation Research Board's Research and Technology Coordinating Committee.
