

Internationalization of the Civilian Nuclear Fuel Cycle

Committee

John F. Ahearne

Chair

John F. Ahearne is the director of the Ethics Program at Sigma Xi, The Scientific Research Society, a lecturer in public policy at Duke University, and an adjunct scholar at Resources for the Future. He has extensive expertise in nuclear and radiation engineering and risk assessment. His professional rests are reactor safety, energy issues, resource allocation, and public policy management. Dr. Ahearne served in the U.S. Air Force from 1959 to 1970, resigning as a major. He has also served as deputy and principal deputy assistant secretary of defense (1972-1977), in the White House Energy Office (1977), as deputy assistant secretary of energy (1977-1978), and as commissioner and chairman of the U.S. Nuclear Regulatory Commission (chairman, 1979-1981). He is a fellow of the American Physical Society, the Society for Risk Analysis, the American Association for the Advancement of Science, the American Academy of Arts and Sciences, and a member of the National Academy of Engineering, Sigma Xi, and the American Nuclear Society. He currently chairs the NRC Committee on Opportunities for U.S.-Russian Cooperation in Countering Radiological Terrorism and previously chaired or served as a member on NRC committees for over 30 other NRC studies.

Dr. Robert J. Budnitz

Member

Robert J. Budnitz is associate program leader for nuclear systems safety and security in the energy and environment directorate at the Lawrence Livermore National Laboratory. From 2002 to 2004, he directed the Department of Energy Office of Civilian Radioactive Waste Management's program on science and technology. For twenty years prior to that, Dr. Budnitz was president of Future Resources Associates, Inc. in Berkeley, California. Previously, he served as deputy director and director of the U.S. Nuclear Regulatory Commission's Office of Nuclear Regulatory Research, and he also held several management positions at the Lawrence Berkeley Laboratory of the University of California. Dr. Budnitz's professional interests are in environmental impacts, hazards, and safety analysis, particularly of the nuclear fuel cycle. He has been prominent in the field of nuclear reactor safety assessment and waste-repository performance assessment, including probabilistic risk assessment. He has served on numerous investigative and advisory panels of scientific societies, government agencies, and committees of the National Research Council. Dr. Budnitz received a B.A. degree from Yale University and a Ph.D. in physics from Harvard University.

Matthew G. Bunn

Member

Matthew Bunn is a Senior Research Associate of the Project on Managing the Atom in the Belfer Center for Science and International Affairs at Harvard University's John F. Kennedy School of Government. His current research interests include nuclear theft and terrorism; security for weapons-usable nuclear material in the former Soviet Union and worldwide; verification of nuclear stockpiles and of nuclear warhead dismantlement; disposition of excess plutonium; conversion in Russia's nuclear cities; and nuclear waste storage, disposal, and reprocessing. Before joining the Kennedy School in 1997, he served for three years as an adviser to the Office of Science and Technology Policy on U.S. policies related to the control and disposition of weapons-usable nuclear materials in the United States and the former Soviet Union and directed a secret study for President Clinton on security for nuclear materials in Russia. Previously, Mr. Bunn was at the National Academy of Sciences. He is a consultant to the Nuclear Threat Initiative, a member of the Russian-American Nuclear Security Advisory Council, and a member of the Board of Directors of the Arms Control Association. He is the author or co-author of several books and book-length technical reports, and dozens of articles in magazines and newspapers. Mr. Bunn received his bachelors' and masters' degrees in political science, specializing in defense and arms control, from the Massachusetts Institute of Technology.

William F. Burns

Member

William F. Burns, Major General (USA, retired) is former Director of the U.S. Arms Control and Disarmament Agency and former Commandant of the U.S. Army War College. He served as ambassador to the Safe, Secure Dismantlement (SSD) negotiations regarding the denuclearization of the former Soviet Union. He is a distinguished fellow at the Army War College and serves on several panels, advisory boards, and boards of trustees of governmental and non-profit organizations. He is judge emeritus of the Court of Judicial Discipline of Pennsylvania. General Burns co-chaired a National Academies study on overcoming impediments to U.S.-Russian cooperation on nuclear nonproliferation and is currently a member of the Committee on International Security and Arms Control.

Steven Fetter

Member

Steve Fetter, is Dean and Professor at the School of Public Policy at the University of Maryland. His research interests include arms control and nonproliferation, nuclear energy and releases of radiation, and climate change and carbon-free energy supply. He has been an advisor to many government agencies, NGOs, and scientific organizations, and has held visiting positions at Stanford, Harvard, and MIT. In 1993-94 he was a special assistant to the Assistant Secretary of Defense for International Security Policy, and in 1992 and 2004 he was a visiting fellow at the State Department. He has served on several committees for the National Academies and is currently a member of the Committee on International Security and Arms Control. He holds a Ph.D. in energy and resources from the University of California, Berkeley, and an S.B. in physics from MIT.

Rose E. Gottemoeller

Member

Rose Gottemoeller, Russia Security Dialogue leader, became the Director of the Carnegie Moscow Center in January 2006. She was previously a Senior Associate at the Carnegie Endowment for International Peace, specializing in arms control, nonproliferation and nuclear security issues. From 1998 to 2000, she served in the Department of Energy as Assistant Secretary for Nonproliferation and National Security and then as Deputy Under-secretary for Defense Nuclear Nonproliferation. From 1993 to 1994 she was Director for Russia, Ukraine, and Eurasia Affairs on the National Security Council in the White House. Ms. Gottemoeller co-chaired a National Academies study on overcoming impediments to U.S.-Russian cooperation on nuclear nonproliferation and is currently a member of the Committee on International Security and Arms Control.

Milton Levenson

Member

Milton Levenson is nationally recognized for his ability to apply creative new insights to major engineering challenges in the nuclear industry and for his organizational and leadership skills. Currently an independent consultant, Mr. Levenson is a chemical engineer with more than 50 years of experience in nuclear energy and related fields. His technical experience includes work related to nuclear safety, fuel cycle, water reactors, advanced reactors, and remote control. His professional experience includes research and operations positions at the Oak Ridge National Laboratory, the Argonne National Laboratory, EPRI (formerly the Electric Power Research Institute), and Bechtel. He was elected to the National Academy of Engineering in 1976. Mr. Levenson is a fellow and past president of the American Nuclear Society, a fellow of the American Institute of Chemical Engineers, and recipient of the American Institute of Chemical Engineers' Robert E. Wilson Award in Nuclear Chemical Engineering. He is the author of more than 150 publications and presentations and holds three U.S. patents. Mr. Levenson has served as chairman or committee member for several National Academies studies and is currently a member of the Nuclear and Radiation Studies Board.