



PANELISTS



Jeffrey D. Chamberlin, Associate Assistant Deputy Administrator, Office of Material Management and Minimization, National Nuclear Security Administration (NNSA)

Jeffrey Chamberlin is the Associate Assistant Deputy Administrator for the Office of Material Management and Minimization, where he leads NNSA programs to achieve permanent threat reduction by managing and minimizing the use of nuclear materials, including the conversion of research reactors to non-weapons-usable materials and the removal and disposition of excess weapons-usable nuclear materials from civilian facilities in the United States and around the world. Mr. Chamberlin has over 17 years of federal service, including 13 years at NNSA in program management roles of increasing responsibility. Prior to joining NNSA in 2007, Mr. Chamberlin entered federal service as a Presidential Management Fellow, and served as the White House Office of Management and Budget's Program Examiner for the U.S. Army's \$150 billion annual investment portfolio. Since joining NNSA, Mr. Chamberlin has led efforts to minimize weapons-usable nuclear materials in civilian applications as the Deputy Director of the Global Threat Reduction Initiative's Office of European and African Threat Reduction; Director of the Office of Material Management and Minimization's Office of Conversion; and as a Senior Advisor to the Principal Assistant Deputy Administrator for Defense Nuclear Nonproliferation and the Assistant Deputy Administrator for the Office of Material Management and Minimization. In addition, Mr. Chamberlin led efforts to arrest the declining state of NNSA infrastructure during his time as Director of the Office of Infrastructure and Operations' Office of Innovative Solutions.



Ira N. Goldman, Vice President, Global Public Policy and Government Relations, Lantheus Medical Imaging

Ira N. Goldman is Senior Director, Global Public Policy and Government Relations, Lantheus Holdings. He is Chairman of the Security of Supply Working Group, Nuclear Medicine Europe, and Co-Chair of the Isotope Supply Committee, Council on Radioisotopes and Radiopharmaceuticals (CORAR). Mr. Goldman is responsible for development and execution of Lantheus's strategy and actions for public and healthcare policy, and with U.S. and foreign governments and international organizations regarding isotope production and supply. He is responsible for Lantheus's legislative strategy and interactions with the U.S. Congress. He also serves as a subject matter expert concerning medical radioisotope supply. He was previously responsible for development and implementation of corporate strategy and actions for a globally diversified and reliable supply of Mo-99 and Xe-133. Mr. Goldman also had previous positions with the International Atomic Energy Agency (IAEA), Department of Nuclear Energy, Vienna, Austria; U.S. Mission to International Organizations, Vienna, Austria; Department of Energy (DOE), National Nuclear Security Administration

(NNSA), Washington, DC; U.S. Arms Control and Disarmament Agency; Meridian Corporation (now DynCorp); and the Congressional Research Service of the Library of Congress. Mr Goldman earned a Master of Arts in International Affairs (with distinction) from the Johns Hopkins University Nitze School of Advanced International Studies in Washington DC in 1980, including study at the Johns Hopkins Centre for European Studies in Bologna, Italy (1978-1979). Mr Goldman earned a Bachelor of Arts (with honours) in History and was Phi Beta Kappa at Trinity College, Hartford, Connecticut in 1978.



Monica C. Regalbuto, Director, Nuclear Science and Technology, Idaho National Laboratory (INL)

Dr. Monica Regalbuto has been a key contributor to the nuclear fuel cycle and nuclear waste management mission by developing and demonstrating innovative nuclear energy technologies that have significantly advanced the scientific, engineering, policy, and regulatory aspects of the nuclear enterprise. She currently leads the integrated fuel cycle strategic initiative at the Idaho National Laboratory. In this role, she serves as the lead for the high assay low enrich uranium (HALEU) program, ensuring there is an adequate supply of HALEU fuel for advanced reactors and other applications. Dr. Regalbuto has served as assistant secretary for DOE-EM, deputy assistant secretary for Fuel Cycle Technologies at DOE-NE, department head of Process Chemistry and Engineering with ANL, and researcher with Amoco Oil Company. She currently serves as a member of the Nuclear and Radiation Studies Board at the National Academy of Sciences (NAS) and the Standing Advisory Group on Nuclear Energy (SAGNE) at the International Atomic Energy Agency (IAEA) which advises the director general. Her education and awards include the following: PhD, Ch E, University of Notre Dame, 1988, MS, Ch E, University of Notre Dame, 1986, BS, Ch E, Instituto Tecnológico y de Estudios Superiores de Monterrey (ITESM), 1983, Honorary Degree of Doctor of Public Service, University of South Carolina Aiken, 2017, U.S. Department of Energy Secretary's Achievement Award, 2016, 2013, and 2011, Professional Achievement Award, Hispanic Engineer National Achievement Award Corporation (HENAAC), 2007, Jane Oestmann Professional Women's Achievement Award, ANS, 2007, Outstanding Engineering Achievement by the Illinois Engineering Council, 2005. Dr. Regalbuto has authored multiple journal articles, reports, and presentations and holds six patents. She is a member of ANS, AIChE, ACS, SWE, and Sigma Xi.



John G. Stevens, Program Manager, Reactor Material Management, Argonne National Laboratory (ANL)

Dr. John G. Stevens is a Senior Nuclear Engineer in Argonne National Laboratory's Nuclear Science and Engineering Division and leads the Reactor Material Management Programs. He is a reactor physicist with over 30 years of engineering experience. Dr. Stevens currently has the role of International Reactor Conversion Technical Lead within the NNSA Material Management & Minimization (M3) Reactor Conversion Program. During FY21, the scope of active M3 conversion projects led by Argonne's Research and Test Reactors Department has included reactors in 7 countries (US, Belgium, France, Germany, Italy, Kazakhstan, and Japan) and engagements with other current and potential partners through the IAEA. As one of the Strategic Leads of the new Proliferation Resistance Optimization (PRO-X) Program, John and M3 are working through a pilot project with INVAP of Argentina. John also provides programmatic oversight of Mo-99 conversion and non-HEU domestic production development activities at Argonne. One facet of John's M3 role was service 2013-2018 as technical lead of Arak reactor modification potential, both during the negotiations that led to the Joint Comprehensive Plan of Action (JCPOA, the Iran Deal), and within the P5+1 Arak Working Group

implementing the JCPOA Arak reactor matters. Dr. Stevens is a Purdue Engineer, having completed his Ph.D. as a Department of Energy Fellow in 1995. He commercialized his nuclear optimization dissertation work to save fuel and millions of dollars for customers in Sweden, the U.S., and Taiwan. Prior to joining Argonne in 2005, he worked for the leading international nuclear power software firm Studsvik Scandpower, Inc. As a student, John worked for Westinghouse Nuclear Fuels Division and for the French Center for Nuclear Studies at Cadarache. Dr. Stevens has been a member of the American Nuclear Society since 1985, active in a variety of roles at the local and national level over the years. He has been a member of the Institute for Operations Research and the Management Sciences (INFORMS) since 1995. He has been the recipient of three U.S. Secretary of Energy Achievement Awards, for his roles in the JCPOA, Ghana MNSR Conversion, and non-HEU Domestic Mo-99 production.

MODERATOR



Julia M. Phillips, Sandia National Laboratories (retired)

Julia Phillips retired from Sandia National Laboratories in 2015, serving in various positions including vice president and chief technology officer. Dr. Phillips joined Sandia as manager of a materials science organization in 1995 after spending 14 years at AT&T Bell Laboratories as a staff member and technical manager. Her research was in the areas of epitaxial metallic and insulating films on semiconductors, high-temperature superconducting, ferroelectric and magnetic oxide thin films, and novel transparent conducting materials. She chaired the National Academies committee that issued a consensus report on the *Current Status of and Progress toward Eliminating Highly Enriched Uranium Use in Fuel for Civilian Research and Test Reactors* (2016), co-chaired a study of the American Physical Society (APS) Panel on Public Affairs on *Neutrons for the Nation: Discovery and Applications while Minimizing the Risk of Nuclear Proliferation* (2018), and served on a subcommittee of the DOE Office of Basic Energy Sciences Advisory Committee to assess the scientific justification for a U.S. domestic high-performance reactor-based research facility (2019-20). Dr. Phillips is a member of the National Science Board and the NSB Executive Committee. She is a member of the National Academy of Engineering, and fellow of the American Academy of Arts and Sciences, Materials Research Society, American Association for the Advancement of Science.

STAFF



Jennifer Heimberg, Senior Program Officer, Nuclear and Radiation Studies Board, National Academy of Sciences, Engineering, and Medicine

Jennifer “Jenny” Heimberg has been a senior program officer at the National Academies of Sciences, Engineering, and Medicine since 2011. She has directed studies related to nuclear security, nonproliferation, and nuclear environmental cleanup. Other topics include reproducibility and replicability in science (Reproducibility and Replicability in Science) and estimating the costs of climate damages (Valuing Climate Damages: Updating the Estimation of the Social Cost of Carbon Dioxide). Prior to coming to the National Academies, she worked as a program manager at the Johns Hopkins University Applied Physics Laboratory (APL) where she established its nuclear security program with the Department of Homeland Security. She received a BS cum laude in physics from Georgetown University, a BSEE from Catholic University of America, and a PhD in physics from Northwestern University.