

PPNT Speakers



Paul Bernstein

Distinguished Fellow

Paul I. Bernstein is a Distinguished Fellow at the Center for the Study of Weapons of Mass Destruction, National Defense University in Washington, DC, and a member of the university's Research Faculty. He works in collaboration with the Office of the Secretary of Defense, Joint Staff, Services, combatant commands, and defense agencies. He is currently Senior Advisor to the Office of the Secretary of Defense (Nuclear Deterrence Policy) in support of the 2022 Nuclear Posture Review. Mr. Bernstein is a contributing author of the 2014 Department of Defense Strategy for Countering Weapons of Mass Destruction and has been an adviser to the Defense Science Board and the DoD Threat Reduction Advisory Committee. He is an instructor in the CAPSTONE program, guest lectures at other military education venues, and has developed multiple curricula for nuclear and WMD instruction.



Linton Brooks

Associate Research Engineer

Ambassador Linton F. Brooks is an independent consultant on national security issues, a senior adviser at the Center for Strategic and International Studies, a distinguished research fellow at the National Defense University, and an adviser to four of the U.S. Department of Energy (DOE) national laboratories. He served from July 2002 to January 2007 as administrator of DOE's National Nuclear Security Administration, where he was responsible for the U.S. nuclear weapons program and for DOE's international nuclear nonproliferation programs. Ambassador Brooks has five decades of experience in national security, much of it associated with nuclear weapons. His government career has included service as deputy administrator for nuclear nonproliferation at the National Nuclear Security Administration, assistant director of the U.S. Arms Control and

Disarmament Agency, chief U.S. negotiator for the Strategic Arms Reduction Treaty, director of defense programs and arms control on the National Security Council staff, and a number of U.S. Navy and Defense Department assignments as a 30-year career naval officer.



Elaine Bunn

Consultant

M. Elaine Bunn is a consultant on strategic issues with 40 years of experience in the U.S. government working on defense policy. She addresses international audiences on nuclear policy, extended deterrence, and missile defense. Her writings include articles and book chapters on deterrence, assurance of allies, strategic planning, nuclear policy, missile defense, arms control, and preemption. She is a non-resident senior associate fellow at the Royal United Services Institute in London and member of the Nuclear Deterrence External Advisory Board at Sandia National Laboratories. Bunn served as deputy assistant secretary of defense for nuclear and missile defense policy (DASD/NMD) from 2013 to early 2017. Bunn, a graduate of the National War College, received an M.A. from Johns Hopkins University's School of Advanced International Studies. She was a Fulbright scholar at the Université de Neuchâtel in Switzerland after graduating from the University of Georgia with a B.A. in international political communications.



Joseph Cirincione

Distinguished Non-Resident Fellow

Joseph Cirincione is a Distinguished Non-Resident Fellow at the Quincy Institute and a national security analyst and author with 40 years of experience working these issues in Washington, DC. He is the author or editor of seven books, including *Nuclear Nightmares: Securing the World before It Is Too Late* (2015) and *Bomb Scare: The History and Future of Nuclear Weapons* (2008). Cirincione served previously as president of the Ploughshares Fund, vice president for national security at the Center for American Progress and director for nonproliferation at

the Carnegie Endowment for International Peace, among other positions. He worked for over nine years on the professional staff of the Armed Services Committee and the Government Operations Committee in the U.S. House of Representatives. He served on the International Security Advisory Board for Secretaries of State Hillary Clinton and John Kerry, and is a member of the Council on Foreign Relations.



Toby Dalton

Co-Director

Toby Dalton is co-director and a senior fellow of the Nuclear Policy Program at the Carnegie Endowment. An expert on nonproliferation and nuclear energy, his work addresses regional security challenges and the evolution of the global nuclear order. Dalton's research and writing focuses in particular on South Asia and East Asia. He is author (with George Perkovich) of *Not War, Not Peace? Motivating Pakistan to Prevent Cross-Border Terrorism* (Oxford University Press, 2016), which provides in-depth analysis of the conflict spectrum in South Asia. He also wrote (with Michael Krepon) *A Normal Nuclear Pakistan* and "Beyond Incrementalism: Rethinking Approaches to CBMs and Stability in South Asia." He co-edited *Perspectives on an Evolving Nuclear Order* and wrote "South Korea Debates Nuclear Options," (with Byun Sunggee and Lee Sang-Tae) and "South Korea's Search for Nuclear Sovereignty" (with Alexandra Francis). From 2002 to 2010, Dalton served in a variety of high-level positions at the U.S. Department of Energy.



Denia Djokic

Assistant Research Scientist

Denia Djokić is an Assistant Research Scientist at the University of Michigan's Fastest Path to Zero Initiative, and a former Postdoctoral Research Fellow at the Project on Managing the Atom at the Belfer Center for Science and International Affairs. She is broadly interested in governance of nuclear energy technology, and her current research

explores topics in responsibility and liability in the context of severe nuclear accidents.

Prior to her appointment at Harvard, Denia worked as an advisor on issues in policy and governance of science, technology and innovation for the government of Ecuador. She holds an M.S. and a Ph.D. in Nuclear Engineering with a Designated Emphasis in Energy Science and Technology from the University of California, Berkeley, where she was a U.S. Department of Energy Office of Civilian Radioactive Waste Management Graduate Student Fellow. She also holds a B.S. in Physics from Carnegie Mellon University.



Bethany Goldblum

Associate Research Engineer

Dr. Bethany L. Goldblum is an Associate Research Engineer in the Department of Nuclear Engineering at the University of California, Berkeley and Executive Director of the Nuclear Science and Security Consortium, a multi-institution initiative established by the National Nuclear Security Administration to train the next generation of nuclear security experts. Her research explores fundamental and applied nuclear physics, proliferation detection, and nuclear weapons policy. Goldblum leads the Bay Area Neutron Group, a research team focused on neutron detection for nuclear security applications, and founded and directs the Nuclear Policy Working Group, an interdisciplinary team of scholars developing policy solutions to strengthen global nuclear security. She has been involved with the Public Policy and Nuclear Threats Boot Camp nearly since its inception, and acted as director of the program since 2014. Goldblum received a Ph.D. in Nuclear Engineering from the University of California, Berkeley.



Bruce Goodwin

Senior Fellow

Bruce Goodwin is a Senior Fellow at the Center for Global Security Research at the Lawrence Livermore National Laboratory. Before becoming a Senior Fellow, he was the Associate Director-at-Large for National Security Policy and Research. In this role he was responsible for LLNL policy research and liaison with the U.S. military, U.S. government and non-governmental organizations. He has been a key player in the success of the nuclear weapons program since 1981, first at Los Alamos National Laboratory and since 1985 at LLNL. While at both Labs, he was design physicist on five nuclear tests. As the Principal Associate Director, he led the process to certify LLNL nuclear weapons and was responsible for establishing priorities, developing strategies, and designing and maintaining LLNL's nuclear weapons. Goodwin received his doctorate and master's in Aerospace Engineering from the University of Illinois, and his bachelor's degree in Physics from City College of New York.



Garrett Harencak

Commander

Maj. Gen. Garrett Harencak is Commander, Air Force Recruiting Service, Joint Base San Antonio-Randolph, Texas. The Air Force Recruiting Service comprises more than 2,470 Airmen and civilians in more than 1,100 recruiting offices across the U.S. and abroad. He is responsible for all enlisted accessions and a variety of officer accession programs. General Harencak entered the Air Force in 1983 as a graduate of the U.S. Air Force Academy. He also directed the Headquarters U.S. Air Force Executive Secretariat, and served as Deputy Director of Requirements at Headquarters Air Combat Command. General Harencak commanded the 7th Bomb Wing at Dyess Air Force Base, Texas, and the 509th Bomb Wing at Whiteman AFB, Missouri. Before his current assignment, he was the Assistant Chief of Staff for Strategic Deterrence and Nuclear Integration, Headquarters U.S. Air Force, Washington D.C.



Siegfried S. Hecker

Professor Emeritus

Siegfried S. Hecker is a professor emeritus (research) in the Department of Management Science and Engineering and a senior fellow emeritus at the Freeman Spogli Institute for International Studies (FSI). He was co-director of CISAC from 2007–2012. From 1986–1997, Dr. Hecker served as the fifth Director of the Los Alamos National Laboratory. Dr. Hecker is an internationally recognized expert in plutonium science, global threat reduction, and nuclear security.

Dr. Hecker's current research interests include nuclear nonproliferation and arms control, nuclear weapons policy, nuclear security, the safe and secure expansion of nuclear energy, and plutonium science.



Rebecca Hersman

Director

Rebecca Hersman, a member of the Senior Executive Service, is the Director of the Defense Threat Reduction Agency (DTRA). Prior to assuming her current position, Ms. Hersman served as the Director of the Project on Nuclear Issues (PONI) and senior adviser with the International Security Program at the Center for Strategic and International Studies (CSIS). A leading expert on nuclear, chemical, and biological weapons policy; global health security; and crisis management, Ms. Hersman led the preeminent national program designed to develop next generation nuclear expertise. Ms. Hersman previously served as the Deputy Assistant Secretary of Defense for Countering Weapons of Mass Destruction from 2009 to 2015. Ms. Hersman led DoD engagements on WMD issues with the North Atlantic Treaty Organization, the Republic of Korea, Japan, and others, and also served as DoD's principal policy advocate on WMD arms control, nonproliferation, and threat reduction.



Newell Highsmith

Adjunct Professor

Newell Highsmith is an adjunct professor of law at Georgetown University. He served as an attorney at the U.S. Department of State for 30 years on issues of arms control and nonproliferation, most recently as Deputy Legal Adviser from 2013 to 2017. He served as primary legal adviser to the U.S. negotiating teams for the 2015 Joint Comprehensive Plan of Action with Iran and for the 1994 Agreed Framework with North Korea. Mr. Highsmith was also involved with negotiating the 2008 agreement for peaceful nuclear cooperation with India, analyzing the legal issues raised by Syria's use of chemical weapons and its construction of a clandestine nuclear reactor, evaluating Russia's violations of its arms control obligations, responding to Indian and Pakistani nuclear testing, facilitating Libya's renunciation of weapons of mass destruction, and responding to the revelations regarding Iraq's nuclear weapons program. He earned his B.A. in English from the University of North Carolina at Chapel Hill and his J.D. from Harvard Law School.



Corey Hinderstein

Deputy Administrator

Corey Hinderstein was sworn in on Dec. 6, 2021, as Deputy Administrator for Defense Nuclear Nonproliferation at the National Nuclear Security Administration, where she leads NNSA's efforts to prevent state and non-state actors from developing nuclear weapons or acquiring weapons-usable nuclear or radiological materials, equipment, technology, and expertise. Prior to assuming her current role, she was vice president of International Fuel Cycle Strategies at the Nuclear Threat Initiative based in Washington, D.C., where she focuses on international nuclear fuel cycle and nonproliferation policy, global nuclear security, and arms control and nonproliferation monitoring and verification. From February 2015 through November 2017, Hinderstein was senior coordinator for nuclear security and nonproliferation policy affairs at the Defense Nuclear Nonproliferation office of the NNSA. She also has served in advisory capacities for multiple national laboratories

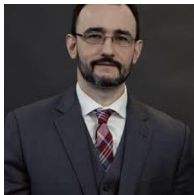
and has published widely on nuclear nonproliferation, verification and monitoring and nuclear security.



Kim Knight

Staff Scientist

Kim Knight is a staff scientist at LLNL focused on nuclear forensic research. A geochemist by training, she remains endlessly fascinated with radioactive materials. Knight worked as a postdoctoral researcher at the University of Chicago and Argonne National Laboratory prior to joining LLNL in 2008. Knight is primarily involved with the analysis of nuclear and associated materials to better understand clues about the origins, locations, or processes. She has been instrumental in the renaissance of historical fallout research to better understand fallout formation and interpretation of historic nuclear events. She presently leads a Strategic Initiative focused on the fundamental science to understand the influence of different environments on the chemistry and physics of a nuclear explosion. This work develops the scientific basis necessary for improved interpretation of radiochemical data, supporting national goals in stockpile stewardship and nuclear threat reduction as well as operational response and environmental transport.



Michael Kofman

Research Program Director

Michael Kofman serves as Research Program Director in the Russia Studies Program at CNA and as a Fellow at the Kennan Institute, Woodrow Wilson International Center in Washington, DC. His research focuses on the Russia and the former Soviet Union, specializing in Russian armed forces, military thought, capabilities, and strategy. Mr. Kofman is also a Senior Editor at War on the Rocks, where he regularly authors articles on strategy, the Russian military, Russian decision-making, and related foreign policy issues. He runs a personal blog on the Russian armed forces at <https://russianmilitaryanalysis.wordpress.com/>.

Mr. Kofman has published numerous articles on the Russian armed forces, security issues in Russia/Eurasia, and analyses for the U.S. government. He holds an M.A. in International Security from the Edmund A. Walsh School of Foreign Service at Georgetown University.



Matthew Kroenig

Professor

Matthew Kroenig is a Professor in the Department of Government and the Edmund A. Walsh School of Foreign Service at Georgetown University. Dr. Kroenig has served in several positions in the U.S. Department of Defense and the intelligence community in the Bush, Obama, and Trump administrations, including in the Strategy, Middle East, and Nuclear and Missile Defense offices in the Office of the Secretary of Defense and the CIA's Strategic Assessments Group. He was a major contributor to formulating tailored deterrence strategies for China, Russia, North Korea, and Iran. Dr. Kroenig is also the Director of the Global Strategy Initiative and Deputy Director of the Scowcroft Center for Strategy and Security at the Atlantic Council. He is a life member of the Council on Foreign Relations and holds an M.A. and Ph.D. in political science from the University of California at Berkeley.



John Lauder

Retired

Mr. Lauder is a leading authority on weapons of mass destruction, nonproliferation, arms control, homeland security, and intelligence analysis and collection. Mr. Lauder retired from the United States government in the fall of 2004 with over 33 years of managerial, analytical and policy experience in the Central Intelligence Agency, National Reconnaissance Office, and as an arms control negotiator. He served subsequently for nine years as a senior manager and corporate officer within Arete' Associates, a research and development company. Mr. Lauder has been awarded the Distinguished Career Intelligence Medal, the Distinguished Intelligence Medal, the NRO Gold Medal, and

the Director of Central Intelligence's Award for his leadership and innovation in collection systems, analytical approaches and vital national security initiatives and decisions. He has a B.A. summa cum laude from Hiram College and an MA.



Jon Lindsay

Associate Professor

Jon Lindsay is an Associate Professor at the School of Cybersecurity and Privacy at the Georgia Institute of Technology (Georgia Tech). He has a joint appointment in the Sam Nunn School of International Affairs and a courtesy appointment in the School of Public Policy. He is the author of *Information Technology and Military Power* (Cornell University Press, 2020) and co-editor of *Cross-Domain Deterrence: Strategy in an Era of Complexity* (Oxford University Press, 2019), with Erik Gartzke, and *China and Cybersecurity: Espionage, Strategy, and Politics in the Digital Domain* (Oxford University Press, 2015), with Tai Ming Cheung and Derek Reveron, and well as publications in international relations, intelligence studies, and the sociology of technology. He is currently working on a book entitled *Age of Deception: Cybersecurity in International Relations*. He holds a Ph.D. in political science from the Massachusetts Institute of Technology and an M.S. in computer science and B.S. in symbolic systems from Stanford University.



Frank Miller

Principal

A Principal of The Scowcroft Group, Franklin C. Miller provides clients both strategic and tactical advice on defense, national security, foreign affairs, and intelligence policy. He is an internationally recognized expert on nonproliferation, nuclear deterrence and arms control policy, and defense. Mr. Miller served for thirty-one years in the U.S. government, including twenty-two years in the Department of Defense and four years as a Special Assistant to President George W. Bush and Senior Director for Defense Policy and Arms Control on the National Security Council staff. For his government service, Mr. Miller received

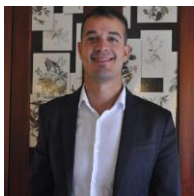
the Defense Department's highest civilian award, the Defense Distinguished Civilian Service Medal, five times. Mr. Miller currently serves on the U.S. Strategic Command Advisory Group. He is a member of the Council on Foreign Relations and a Director of the Atlantic Council of the United States. He is Chairman Emeritus of the Board of The Charles Stark Draper Laboratory in Cambridge, Massachusetts, and also serves on the Board of Directors of Airbus U.S. Space and Defense and Sandia National Laboratory.



Rolf Mowatt-Larssen

Senior Fellow

Rolf Mowatt-Larssen is a Senior Fellow at the Belfer Center, having served until July 2019 as Director of the Center's Intelligence Project. Prior to that he was also a Senior Fellow. Before coming to the Belfer Center, Mowatt-Larssen served over three years as the Director of Intelligence and Counterintelligence at the U.S. Department of Energy. Prior to this, he served for 23 years as a CIA intelligence officer in various domestic and international posts, to include Chief of the Europe Division in the Directorate of Operations, Chief of the Weapons of Mass Destruction Department, Counterterrorist Center, and Deputy Associate Director of Central Intelligence for Military Support. He is a graduate of the United States Military Academy, West Point, NY. He is a recipient of the CIA Director's Award, the George W. Bush Award for Excellence in Counterterrorism, the Secretary of Energy's Exceptional Service Medal, the Distinguished Career Intelligence Medal, Secretary of Defense Civilian Distinguished Service Medal, and the National Intelligence Superior Performance Medal, among others.

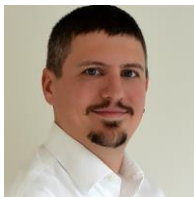


Blake Narendra

Senior Foreign Policy Legislative Assistant

Blake Narendra is serving in the office of Sen. Jeff Merkley (D-OR). A graduate of Colorado College, Blake worked on two presidential campaigns in 2007–2008 before moving to Washington D.C. He was an associate in the White House Office of Presidential Personnel, worked

as a Special Assistant at the National Nuclear Security Administration (NNSA) during Senate consideration of the New Strategic Arms Reduction Treaty (New START) and the Fukushima nuclear disaster. Following graduate studies at the Fletcher School at Tufts University, he worked as a contractor to the U.S. Air Force in its arms control branch, as a fellow at the Ploughshares Fund and as a special advisor in the U.S. State Department Bureau of Arms Control, Verification, and Compliance (AVC). He most recently was a press officer at the U.S. Agency for International Development (USAID).



Richard Nephew

Senior Research Scholar

Richard Nephew is the author of *The Art of Sanctions* and an expert on the use of sanctions for deterrence and impact. Nephew most recently served as the deputy special envoy for Iran in the Biden-Harris administration. He previously served as Principal Deputy Coordinator for Sanctions Policy at the Department of State and as the lead sanctions expert for the U.S. team negotiating with Iran during the Obama Administration. Nephew served as the Director for Iran on the National Security Staff where he was responsible for managing a period of intense expansion of U.S. sanctions on Iran. Earlier in his career he served in the Bureau of International Security and Nonproliferation at the State Department and in the Office of Nonproliferation and International Security at the Department of Energy. Nephew holds a master's in Security Policy Studies and a bachelor's in international Affairs, both from The George Washington University.



Andrew Reddie

Assistant Professor of Practice

Dr. Andrew Reddie is an Assistant Professor of Practice in Cybersecurity at the University of California, Berkeley's School of Information where he works on projects related to cybersecurity, nuclear weapons policy, wargaming, and emerging military technologies. He is also the founder and faculty director for the Berkeley Risk and Security Lab.

Andrew is currently a Bridging the Gap New Era fellow, Hans J. Morgenthau fellow at Notre Dame University, a non-resident fellow at the Brute Krulak Center at Marine Corps University, faculty director at the Center for Long-Term Cybersecurity, and deputy director at the Berkeley APEC Study Center.

Previously, Andrew has served in roles at Sandia National Laboratories, Lawrence Livermore National Laboratory's Center for Global Security Research, and as an associate at the Council on Foreign Relations in Washington, DC.



Brad Roberts

Director

Dr. Brad Roberts has served as director of the Center for Global Security Research at Lawrence Livermore National Laboratory since 2015. From 2009 to 2013, he was deputy assistant secretary of defense for Nuclear and Missile Defense Policy. In this role, he served as policy director of the Obama administration's Nuclear Posture Review and Ballistic Missile Defense Review and led their implementation. Prior to entering government service, Dr. Roberts was a research fellow at the Institute for Defense Analyses and the Center for Strategic and International Studies, editor of *The Washington Quarterly*, and an adjunct professor at George Washington University. Between leaving the Office of the Secretary of Defense in 2013 and assuming his current responsibilities, Dr. Roberts was a consulting professor at Stanford University and William Perry Fellow at the Center for International Security and Cooperation (CISAC). While at CISAC, he authored a book entitled *The Case for U.S. Nuclear Weapons in the 21st Century*, which won the Choice Award for Outstanding Academic Title in 2016.



Mareena Robinson Snowden

Senior Advisor

Dr. Mareena Robinson Snowden is a senior advisor in the Bureau of Arms Control, Verification, and Compliance (AVC) at the U.S. Department of State. She joined AVC in 2022, after serving as a senior engineer in the National Security Analysis Department at the Johns Hopkins Applied Physics Laboratory (JHU APL). Prior to joining JHU APL, Mareena was a Stanton Nuclear Security Fellow with the Nuclear Policy Program at the Carnegie Endowment for International Peace.

In 2017–2018, Robinson Snowden served as a National Nuclear Security Administration (NNSA) Graduate Fellow (NGFP) in the Office of Major Modernization Programs. Robinson Snowden was awarded the NNSA Stockpile Stewardship Graduate Fellowship (SSGF) in 2012, a four-year fellowship that supported her graduate work in the MIT Laboratory for Nuclear Security and Policy.

Robinson Snowden holds a Ph.D. from the Massachusetts Institute of Technology in nuclear engineering, and a B.S. in physics from Florida A&M University.



Laura Rockwood

Director

Laura Rockwood is the Director of Open Nuclear Network (ONN), a programme of One Earth Future. In July 2012, she was honoured with the Distinguished Service Award by the Institute of Nuclear Materials Management (INMM) for long-term noteworthy accomplishments in, and service to, the nuclear materials management profession. During her employment with the International Atomic Energy Agency (IAEA), she was the senior legal advisor on all aspects of the negotiation, interpretation and implementation of IAEA safeguards, and was the principal author of the document that became the Model Additional Protocol. She participated in high-level negotiations on Iran, Iraq and North Korea, and in the IAEA/US/Russian Federation negotiations on the Trilateral Initiative and the Plutonium Management and Disposition Agreement. Laura came to ONN from her position as Executive Director

of the Vienna Center for Disarmament and Non-Proliferation (VCDNP) between 2015 and 2019. She received her B.A. degree from the University of California, Berkeley, and her Juris Doctor from the University of California's Hastings College of Law in San Francisco.



Scott Sagan

Caroline S. G. Munro Professor of Political Science

Scott D. Sagan is the Caroline S.G. Munro Professor of Political Science, the Mimi and Peter Haas University Fellow in Undergraduate Education, and Senior Fellow at the Center for International Security and Cooperation and the Freeman Spogli Institute at Stanford University. He also serves as Chairman of the American Academy of Arts and Sciences' Committee on International Security Studies. Before joining the Stanford faculty, Sagan was a lecturer in the Department of Government at Harvard University and served as special assistant to the director of the Organization of the Joint Chiefs of Staff in the Pentagon. Sagan has also served as a consultant to the office of the Secretary of Defense and at the Sandia National Laboratory and the Los Alamos National Laboratory.



Victoria Samson

Washington Office Director

Victoria Samson is the Washington Office Director for Secure World Foundation and has twenty years of experience in military space and security issues. Before joining SWF, Ms. Samson served as a Senior Analyst for the Center for Defense Information (CDI), where she leveraged her expertise in missile defense, nuclear reductions, and space security issues to conduct in-depth analysis and media commentary. Prior to her time at CDI, Ms. Samson was the Senior Policy Associate at the Coalition to Reduce Nuclear Dangers, a consortium of arms control groups in the Washington, D.C. area, where she worked with Congressional staffers, members of the media, embassy officials, citizens, and thinktanks on issues surrounding dealing with national missile defense and nuclear weapons reductions. She is

also a member of the International Astronautical Federation (IAF) committee on space security and the Space Security Working Group of the National Academies of Sciences, Engineering, and Medicine (NASEM)'s Committee on International Security and Arms Control (CISAC).



Mark Schanfein

Senior Nonproliferation Advisor

Mark recently took a position of Senior Nonproliferation Advisor at Idaho National Laboratory. Prior to this position, Mark was the Los Alamos Program Manager for Nonproliferation and Security Technology, which includes both international and domestic safeguards. He first joined the International Atomic Energy Agency's (IAEA) Secretariat in 1978 where he served 4 years as a safeguards inspector Group Leader implementing the first geographical team approach to safeguarding nuclear complexes including low enriched and MOX fuel fabrication facilities, reprocessing, research reactors, and research laboratories. From August 2000 to 2004, Mark returned to the IAEA as the Unit Head for Unattended Monitoring System (UMS) in the Department of Safeguards, while maintaining inspector status for short term assignments. He managed a team of scientists, engineers and technicians supporting over 90 fielded systems installed worldwide, carried out the design and testing of new systems, and managed the multimillion dollar UMS R&D program.



John Scott

Acting Officer Director

John Scott started at Los Alamos National Laboratory (LANL) in 1998 as a postdoc in the weapon design division after completing his Ph.D. in nuclear engineering at the University of California Berkeley. During his career, John has served as the system point of contact for two weapons systems and was the lead secondary designer for the Reliable Replacement Warhead project at LANL. John served as a member of the ASC Predictive Science Panel from 2009 to 2013 and was the

project leader for weapons performance metrics in the Advanced Certification program from 2009–2017. He served as the group leader for the Integrated Design and Assessment Group within the Theoretical Design Division and as the deputy division leader for stockpile work in the Theoretical Design Division. John is currently the acting officer director for the National Security and International Studies Office at LANL.

Kevin Swearingen

Radiological and Nuclear Chemist Forensic Examiner

Kevin Swearingen has been a Radiological and Nuclear Chemist Forensic Examiner at the FBI Laboratory in Quantico, Virginia for the past 4 years. His duties include the analysis of any radioactive or nuclear material and directing conventional forensic examinations of evidence contaminated with radioactive material. This work is done in support of FBI investigations and to assist any local, state, federal, or international law enforcement organizations. Prior to joining the FBI, he received his Ph.D. from Washington State University, with a focus on analytical radiochemistry. Before starting graduate school, he spent time at Pacific Northwest National Laboratory researching fission product separation and nuclear waste glass.



Nina Tannenwald

Senior Lecturer

Nina Tannenwald is Senior Lecturer in the Department of Political Science at Brown University. Her research focuses on the role of international institutions, norms and ideas in global security issues, efforts to control weapons of mass destruction, and human rights and the laws of war. Her book, *The Nuclear Taboo: The United States and the Nonuse of Nuclear Weapons Since 1945* (Cambridge University Press 2007), won the 2009 Leggold Prize for best book in international relations.

Her current research projects include the future of the nuclear normative order, targeted killing, and compliance with, and effectiveness of, the laws of war. She has co-edited, with Matthew Evangelista, *Do the Geneva Conventions Matter?* (Oxford, 2017). Her articles have appeared in *International Organization*, *International Security*, *Journal of Strategic Studies*, *Ethics and International Affairs*, *Foreign Affairs* and the *Washington Quarterly*, among others.



Jay Tilden

Associate Administrator

Since 2016, Jay Tilden has served as NNSA's Associate Administrator for Counterterrorism and Counterproliferation with responsibility in preparing for, responding to, and successfully resolving nuclear and radiological accidents and incidents worldwide. The mission includes providing technically informed policy and operational recommendations required to advance U.S. nuclear counterterrorism and counterproliferation objectives, while informing U.S. government agencies on nuclear threat devices (i.e., improvised nuclear devices, proliferant devices, and lost or stolen nuclear devices outside of state control). The office applies the Department of Energy's (DOE) and NNSA's existing nuclear expertise, science, technology, and engineering capabilities to support relevant whole-of-government activities, while sustaining deployable assets for both nuclear incident response and nuclear forensics activities. Mr. Tilden is a retired Army Chief Warrant Officer (counterintelligence and all-source intelligence) and served in both active and reserve capacities including the Desert Shield/Desert Storm and Enduring Freedom/Noble Eagle operations.



Will Tobey

Senior Fellow

Tobey served as Deputy Administrator for Defense Nuclear Nonproliferation at the National Nuclear Security Administration from 2006–2009. There, he managed the U.S. government's largest program to prevent nuclear proliferation and terrorism by detecting, securing,

and disposing of dangerous nuclear material. He also served on the National Security Council Staff under three presidents, in defense policy, arms control, and counter-proliferation positions. He has participated in international negotiations ranging from the START talks with the Soviet Union to the Six Party Talks with North Korea. Tobey also has a decade of experience in investment banking and venture capital. He currently chairs the Nuclear and Radiation Studies Board of the National Academies of Sciences Engineering and Medicine, and the board of the World Institute for Nuclear Security. He is also on the executive committee of the nonproliferation division of the American Nuclear Society.



Chris Twomey

Associate Professor

Twomey received his Ph.D. from MIT in Political Science and joined the NPS faculty in 2004, later serving as Associate Chair for Research and as Director of the Center for Contemporary Conflict from 2007–09. Today, he supports the Office of the Secretary of Defense (Policy) and the State Department on a range of diplomatic engagements across Asia and advises PACOM, STRATCOM, and the Office of Net Assessment. He has been the lead organizer of the U.S.-China Strategic Dialogue, a track 1.5 diplomatic meeting on strategic nuclear issues, since its inception in 2005. He is currently a member of the Institute of International Strategic Studies, a member of the Adjunct Staff at RAND, and has consulted for the National Bureau of Asia Research (NBR) continually since 2009. His book—*The Military Lens: Doctrinal Differences and Deterrence Failure in Sino-American Relations* (Cornell, 2010)—explains how differing military doctrines complicate diplomatic signaling, interpretations of those signals, and assessments of the balance of power. He received his bachelor's degree in economics from UC San Diego, and his master's from UCSD's School of Global Policy and Strategy. He has lived in China several times, speaks and reads Chinese, and regularly travels to Asia.



John Warden

Researcher

John K. Warden is a researcher in the strategy, forces, and resources division at the Institute for Defense Analyses, where he focuses on U.S. defense policy and strategy, deterrence and nuclear weapons, U.S. alliances, and related issues. He received his M.A. in security studies from Georgetown University and previously served as a research assistant and program coordinator at the Center for Strategic and International Studies.



Dean Wilkening

Retired Senior Staff Scientist

Dr. Dean Wilkening is a recently retired senior staff scientist in the Precision Strike Mission Area who worked primarily on hypersonic kill chains. His previous research interests include ballistic missile defense, nuclear strategy and policy, and bioterrorism. He has participated in Defense Science Board Studies on Advanced Ballistic and Cruise Missile Threats, Constrained Military Operations, and Multi-Domain Effects, and on U.S. National Academy of Science committees on biological terrorism and ballistic missile defense. Prior to joining APL, he worked at the Lawrence Livermore National Laboratory, Stanford University's Center for International Security and Cooperation, and the RAND Corporation. He received his Ph.D. in physics from Harvard University, is a fellow of the American Physical Society, and has published over 60 journal articles, book chapters and monographs on a range of security topics.



Heather Williams

Visiting Fellow

Dr Heather Williams is currently a visiting fellow at the Harvard Kennedy School Project on Managing the Atom until summer 2022. From 2020–2021 she was a Stanton Nuclear Security Fellow at the Massachusetts Institute of Technology Security Studies Program. She is a Senior Lecturer in the Defence Studies Department and Centre for

Science and Security Studies (CSSS). She is also an Associate Fellow at the Royal United Services Institute (RUSI), a Senior Associate Fellow at the European Leadership Network and serves on the Wilton Park Advisory Council. She serves on the boards of the Nonproliferation Review and the UK Project on Nuclear Issues (PONI). She has a Ph.D. from the Department of War Studies at King's College London, a B.A. in International Relations and Russian Studies from Boston University, and an M.A. in Security Policy Studies from The George Washington University.